

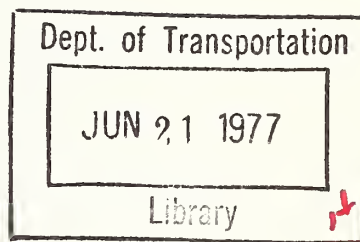
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III

REPORT NO. UMTA/MA-06-0026-76/1, III

PRT IMPACT STUDY  
PRE-PRT PHASE  
Volume III-- Frequency Tabulations from Four  
Transportation-Related Surveys

C. N. Redwine

WEST VIRGINIA UNIVERSITY  
MORGANTOWN WV 26506



MARCH 1976

FINAL REPORT

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16. Abstract This report gives, without commentary, tabulations of survey responses which were collected in Morgantown, West Virginia, as part of a study to assess the impact of the installation of the Personal Rapid Transit (PRT) System. The surveys reported on here were taken prior to the passenger operation of the PRT. The tabulations arise from four separate surveys:  1) A Telephone-Interview Survey administered to persons riding withing approximately a ten-minute walk of a PRT Station. 2) An On-Board Survey of riders of the West Virginia University Bus System. 3) An On-Board Survey of riders of the city and county bus systems on routes which might be impacted by the installation of the PRT. 4) A Mailback Survey of faculty and staff of West Virginia University.  This is the third of a series of three published volumes. Volume I: Travel Analysis; Volume II: Data Collection Procedure and Coding Manual; Volume III: Frequency Tabulation from Four Transportation-Related Surveys.					
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## PREFACE

In October, 1975, the Personal Rapid Transit (PRT), a revolutionary public transportation system built as a research development and demonstration project by the Urban Mass Transportation Administration, commenced passenger service in Morgantown, WV. Because the PRT is the first system of its kind ever operated in a city, it provides an opportunity to study the interaction between a new mode and its service area.

The PRT Impact Study was developed to record the effects of PRT system operation in order to provide information useful in assisting cities to determine if they could utilize such a PRT system to satisfy their transportation needs. The study consists of two data collection phases; the Pre-PRT Phase, prior to passenger service, and the Post-PRT Phase.

The PRT Impact Study, Pre-PRT Phase, has been completed and is reported in three volumes;

- I --Travel Analysis,
- II --Data Collection Procedure and Coding  
Manual,
- III--Frequency Tabulations from Four  
Transportation-Related Surveys.

This work was sponsored by the Transportation Systems Center, United States Department of Transportation, Cambridge, MA, under Contract Number DOT-TSC-985.

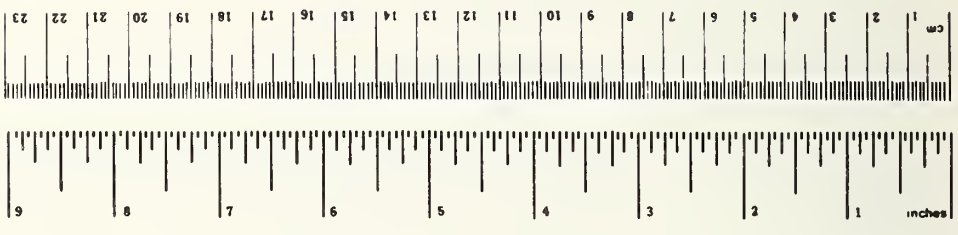
Several agencies and individuals cooperated in making the PRT Impact Study, Pre-PRT Phase possible. They include Mr. K. H. Schaeffer and Dr. Mary Stearns of TSC, Mr. Doc Ashburn, Manager of the City of Morgantown, and Mr. Richard Davies, President of Monongalia County Court. The institutional Research Office of WVU cooperated in making data for completing the study.

The students who worked with our staff included Mr. Charles Bao, Mr. A. Z. Sohrwardy, Ms. Judy Brannon, and Ms. Barbara Slonneger. Ms. Charmaine DuBois and Ms. Donna Maughan were responsible for the typing.

# METRIC CONVERSION FACTORS

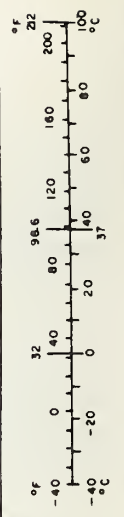
## Approximate Conversions to Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
<b>LENGTH</b>				
in	inches	2.5	centimeters	cm
ft	feet	30	centimeters	cm
yd	yards	0.9	meters	m
mi	miles	1.6	kilometers	km
<b>AREA</b>				
m <sup>2</sup>	square inches	6.5	square centimeters	cm <sup>2</sup>
ft <sup>2</sup>	square feet	0.09	square meters	m <sup>2</sup>
yd <sup>2</sup>	square yards	0.8	square meters	m <sup>2</sup>
mi <sup>2</sup>	square miles	2.6	square kilometers	km <sup>2</sup>
	acres	0.4	hectares	ha
<b>MASS (weight)</b>				
oz	ounces	28	grams	g
lb	pounds	0.45	kilograms	kg
	short tons (2000 lb)	0.9	tonnes	t
<b>VOLUME</b>				
teaspoon	teaspoons	5	milliliters	ml
fluid ounce	fluid ounces	15	milliliters	ml
cup	cups	30	milliliters	ml
pt	pints	0.24	liters	l
qt	quarts	0.47	liters	l
gal	gallons	0.95	liters	l
ft <sup>3</sup>	cubic feet	3.8	liters	l
yd <sup>3</sup>	cubic yards	0.03	cubic meters	m <sup>3</sup>
		0.76	cubic meters	m <sup>3</sup>
<b>TEMPERATURE (exact)</b>				
°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C



## Approximate Conversions from Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
<b>LENGTH</b>				
mm	millimeters	0.04	inches	in
cm	centimeters	0.4	inches	in
m	meters	3.3	feet	ft
mi	meters	1.1	yards	yd
km	kilometers	0.6	miles	mi
<b>AREA</b>				
cm <sup>2</sup>	square centimeters	0.16	square inches	in <sup>2</sup>
m <sup>2</sup>	square meters	1.2	square yards	yd <sup>2</sup>
km <sup>2</sup>	square kilometers	0.4	square miles	mi <sup>2</sup>
ha	hectares (10,000 m <sup>2</sup> )	2.5	acres	acres
<b>MASS (weight)</b>				
g	grams	0.035	ounces	oz
kg	kilograms	2.2	pounds	lb
t	tonnes (1000 kg)	1.1	short tons	short tons
<b>VOLUME</b>				
ml	milliliters	0.03	fluid ounces	fl oz
l	liters	2.1	pints	pt
l	liters	1.06	quarts	qt
l	liters	0.26	gallons	gal
m <sup>3</sup>	cubic meters	35	cubic feet	ft <sup>3</sup>
m <sup>3</sup>	cubic meters	1.3	cubic yards	yd <sup>3</sup>
<b>TEMPERATURE (exact)</b>				
°C	Celsius temperature	9/5 (then add 32)	Fahrenheit temperature	°F



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APPENDIX A

SELECTED FREQUENCY TABULATIONS FOR  
TELEPHONE-INTERVIEW SURVEY

TABLE A.1  
 ZONES OF RESIDENCE FOR RESPONDENTS TO TELEPHONE-INTERVIEW SURVEY

Zone of Residence	All Respondents	Dorm Students	Persons Not Living in Dorms	Students Not Living in Dorms	Non-student WVU Employees	Respondents Not Related to WVU
1	89	0	89	1	6	82
3	210	188	22	9	0	13
4	234	169	65	14	5	46
7	51	0	51	3	9	39
8	223	223	0	0	0	0
9	20	0	20	2	2	16
10	61	0	61	0	13	48
13	9	0	9	0	2	7
19	34	0	34	6	2	26
25	60	0	60	4	7	49
26	58	0	58	6	4	48
27	133	0	133	5	20	108
8 zones not in PMA* 31		0	31	3	3	25
Coding errors	7	0	7	1	1	5
TOTAL	1220	580	640	54	74	512

\* PMA = Primary Market Area

Note: All respondents are separated into two groups: those persons living in WVU dormitories (all of whom are WVU students) and those persons not living in WVU dormitories. Those persons not living in WVU dormitories are subdivided into three categories: students not living in dorms, non-student WVU employees, and persons who are neither students nor WVU employees -- the third category is referred to as "Respondents Not Related to WVU."

TABLE A.2

## SEX DISTRIBUTION OF TELEPHONE-INTERVIEW SURVEY RESPONDENTS

<u>Sex</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Persons Not Living in Dorm</u>	<u>Students Not Living in Dorm</u>	<u>Non-Student WVU Employees</u>	<u>Respondents Not Related to WVU</u>
Female	608	279	329	12	23	294
Male	594	301	293	42	51	200
No Response Recorded	13	0	13	0	0	13
Coding Errors	5	0	5	0	0	5
TOTAL	1220	580	640	54	74	512

TABLE A.3  
SEX DISTRIBUTION OF STUDENTS RESIDING  
IN WVU DORMITORIES WHO RESPONDED TO  
TELEPHONE-INTERVIEW SURVEY

---

<u>Sex</u>	<u>Dorm Students</u>	<u>Towers</u>	<u>Main Campus Dorms</u>
Female	279	120	159
Male	301	103	198
<hr/>			
TOTAL	580	223	357

---

TABLE A.4  
AGE DISTRIBUTION OF RESPONDENTS TO TELEPHONE-INTERVIEW SURVEY

Age	All Respondents	Dorm Students	Persons Not Living in Dorm	Students Not Living in Dorm	Non-Student WVU Employees	Respondents Not Related to WVU
14 years or under	6	0	6	0	0	6
15-19	471	435	36	13	0	23
20-24	180	142	38	22	0	16
25-34	79	2	77	17	14	46
35-44	60	0	60	1	9	50
45-54	97	0	97	1	26	70
55-64	110	0	110	0	16	94
65 or older	193	0	193	0	7	186
No Response	24	1	23	0	2	21
TOTAL	1220	580	640	54	74	512

TABLE A.5

AGE DISTRIBUTION OF STUDENTS RESIDING IN WVU  
DORMITORIES WHO RESPONDED TO TELEPHONE-  
INTERVIEW SURVEY

---

<u>Age</u>	<u>Dorm</u> <u>Students</u>	<u>Towers</u>	<u>Main Campus</u> <u>Dorms</u>
15 - 19	435	192	243
20 - 24	142	30	112
25 or over	2	0	2
No Response Recorded	1	1	0
<hr/>			
TOTAL	580	223	357
<hr/>			



TABLE A.6

## MARTIAL STATUS OF RESPONDENTS TO TELEPHONE-INTERVIEW SURVEY

<u>Marital Status</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Persons Not Living in Dorms</u>	<u>Students Not Living in Dorms</u>	<u>Non-Student WVU Employees</u>	<u>Respondents Not Related to WVU</u>
Married	336	3	333	17	49	267
Single	709	577	132	37	6	89
Widowed	125	0	125	0	11	114
Separated	3	0	3	0	0	3
Divorced	21	0	21	0	6	15
No Response Recorded	22	0	22	0	2	20
Coding Errors	4	0	4	0	0	4
TOTAL	1220	580	640	54	74	512

TABLE A.7  
OCCUPATIONS OF RESPONDENTS TO TELEPHONE-INTERVIEW SURVEY

Occupation of Respondent	All Respondents	Dorm Students	Persons Not Living in Dorm		Students Not Living in Dorm		Non-student WVU Employees	Respondents Not Related to WVU
			Living in Dorm	Living in Dorm	Living in Dorm	Living in Dorm		
Housewife	107	0	107	0	0	0	0	107
Student	634	580	54	54	0	0	0	0
Miner	7	0	7	0	0	0	0	7
Professional Proprietor, Manager	87	0	87	0	0	49	0	38
Sales	23	0	23	0	0	0	0	23
Clerical	14	0	14	0	0	0	0	14
Skilled, semi-skilled worker	11	0	11	0	0	3	0	8
Farmer, farm worker	94	0	94	0	0	13	0	81
Retired	1	0	1	0	0	0	0	1
Not employed	50	0	50	0	0	1	0	49
Other	76	0	76	0	0	0	0	76
No Response Recorded	46	0	46	0	0	1	0	45
Coding Error	41	0	41	0	0	0	0	41
	29	0	29	0	0	7	0	22
TOTAL	1220	580	640	54	74	512		

TABLE A.8  
 WVU EMPLOYEES AMONG RESPONDENTS TO TELEPHONE-INTERVIEW SURVEY

Is Respondent a WVU Employee?	All		Dorm		Persons Not		Students Not		Non-student		Respondents Not Related to WVU
	Respondents	Students	Students	Living in Dorm	Living in Dorm	Living in Dorm	Living in Dorm	WVU Employees	Respondents Not Related to WVU		
Yes	152	63	89	15	74	0					
No	1017	517	500	39	0	461					
No Response Recorded	43	0	43	0	0	43					
Coding Errors	8	0	8	0	0	8					
TOTAL	1220	580	640	54	74	512					

TABLE A.9  
AUTOMOBILES OWNED BY RESPONDENTS TO TELEPHONE-INTERVIEW SURVEY

<u>No. of Autos Owned by Respondent and Spouse</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Persons Not Living in Dorm</u>	<u>Students Not Living in Dorm</u>	<u>Non-student WVU Employees</u>	<u>Respondents Not Related to WVU</u>
0	608	434	174	19	6	149
1	383	133	250	27	42	181
2	150	6	144	7	20	117
3	15	2	13	0	4	9
4 or more	10	0	10	1	1	8
No Response Recorded	53	4	49	0	1	48
Coding Error	1	1	0	0	0	0
TOTAL	1220	580	640	54	74	512

TABLE A.10

AUTOMOBILES OWNED BY STUDENTS RESIDING  
IN WVU DORMITORIES WHO RESPONDED TO  
TELEPHONE-INTERVIEW SURVEY

<u>Number of Autos</u> <u>Owned by Respondent</u> <u>and Spouse</u>	<u>Dorm</u> <u>Students</u>	<u>Towers</u>	<u>Main Campus</u> <u>Dorms</u>
0	434	165	269
1	133	56	77
2 or more	8	2	6
No Response Recorded	4	0	4
<u>Coding Error</u>	<u>1</u>	<u>0</u>	<u>1</u>
TOTAL	580	223	357

TABLE A.11

AUTOMOBILE AVAILABILITY FOR RESPONDENTS TO TELEPHONE-INTERVIEW SURVEY

Number of Autos Available for Personal Use of Respondent in Morgantown	All Respondents		Dorm Students	Persons Not Living in Dorm		Students Not Living in Dorm	Non-student WVU Employees		Respondents Not Related to WVU
	Respondents	Students		Living in Dorm	Living in Dorm		WVU Employees	Related to WVU	
0	525	348	177	16	11	150			
1	391	162	229	27	29	173			
2	162	32	130	8	21	101			
3	43	16	27	2	7	18			
4 or more	41	19	22	1	5	16			
No response recorded	58	3	55	0	1	54			
TOTAL	1220	580	640	54	74	512			

TABLE A.12

AUTOMOBILE AVAILABILITY FOR STUDENTS  
RESIDING IN WVU DORMITORIES WHO RESPONDED  
TO TELEPHONE-INTERVIEW SURVEY

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<u>Number of Autos Available for Personal Use of Respondent in Morgantown</u>	<u>Dorm Students</u>	<u>Towers</u>	<u>Main Campus Dorms</u>
0	348	144	204
1	162	57	105
2	32	8	24
3	16	9	7
4 or more	19	4	15
No response recorded	3	1	2
<b>TOTAL</b>	<b>580</b>	<b>223</b>	<b>357</b>

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TABLE A.13  
LICENSED DRIVERS AMONG RESPONDENTS TO  
TELEPHONE-INTERVIEW SURVEY

<u>Is Respondent a</u> <u>Licensed Driver?</u>	<u>All</u> <u>Respondents</u>	<u>Dorm</u> <u>Students</u>	<u>Persons Not</u> <u>Living in Dorm</u>	<u>Students Not</u> <u>Living in Dorm</u>	<u>Non-student</u> <u>WVU Employees</u>	<u>Respondents Not</u> <u>Related to WVU</u>
Yes	1017	563	454	53	65	336
No	151	17	134	1	7	126
No Response Recorded	49	0	49	0	2	47
Coding Error	3	0	3	0	0	3
TOTAL	1220	580	640	54	74	512



TABLE A.14  
 FAMILY INCOME FOR NONSTUDENT RESPONDENTS TO TELEPHONE-INTERVIEW SURVEY

Family Income for Last 12 Months	All Nonstudent Respondents	Nonstudent WVU Employees	Respondents Not Related to WVU
\$15,000 or more	86	20	66
\$10,000 - \$14,999	113	22	91
\$5,000 - \$9,999	112	10	102
below \$5,000	105	4	101
No Response Recorded	166	18	148
Coding Errors	4	0	4
TOTAL	586	74	512

TABLE A.15  
STUDENTS EXPENSES FOR STUDENTS RESPONDING TO TELEPHONE-INTERVIEW SURVEY

<u>Student Expenses for One Semester</u>	<u>All Students</u>	<u>Dorm Students</u>	<u>Students Not Living in Dorm</u>
\$250 - \$499	5	4	1
\$500 - \$749	5	2	3
\$750 - \$999	115	107	8
\$1000 - \$1249	380	362	18
\$1250 - \$1499	78	74	4
\$1500 - \$1749	13	12	1
\$1750 - \$1999	6	6	0
No response recorded	32	13	19
TOTAL	634	580	54

TABLE A.16  
NUMBER OF PERSONS PER HOUSEHOLD FOR TELEPHONE-INTERVIEW SURVEY

<u>Number of Persons in Household</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Persons Not Living in Dorm</u>	<u>Students Not Living in Dorm</u>	<u>Nonstudent WVU Employees</u>	<u>Respondents Not Related to WVU</u>
1	596	360	236	23	17	196
2	351	104	247	19	29	199
3	86	37	49	6	5	38
4	159	71	88	5	21	62
5	6	0	6	1	1	4
6	9	0	9	0	0	9
7 or more	10	8	2	0	0	2
Coding Errors	3	0	3	0	1	2
TOTAL	1220	580	640	54	74	512

TABLE A.17  
NUMBER OF LICENSED DRIVERS PER HOUSEHOLD FOR TELEPHONE-INTERVIEW SURVEY

<u>Number of Licensed Drivers in Household</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Persons</u>		<u>Students</u>		<u>Respondents</u>	
			<u>Not Living in Dorm</u>	<u>Living in Dorm</u>	<u>Not Living in Dorm</u>	<u>Nonstudent WVU Employees</u>	<u>Not Related to WVU</u>	
0	169	17	152	1	5	146		
1	767	562	205	34	16	155		
2	214	1	213	14	38	161		
3	50	0	50	4	13	33		
4	18	0	18	1	1	16		
5 or more	2	0	2	0	1	1		
TOTAL	1220	580	640	54	74	512		

TABLE A.18  
NUMBER OF EMPLOYED PERSONS PER HOUSEHOLD IN TELEPHONE-INTERVIEW SURVEY

Number of Employed Persons in Household*	All Respondents	Dorm		Persons Not Living in Dorm		Students Not Living in Dorm		Nonstudent WVU Employees		Respondents Not Related to WVU	
		Students	Students	Living	in Dorm	Living	in Dorm	WVU	Employees	Not	Related
0	882	580	302	38	0	264					
1	228	0	228	16	44	168					
2	104	0	104	0	29	75					
3	6	0	6	0	1	5					
TOTAL	1220	580	640	54	74	512					

\* A person was counted as employed only if his occupation was reported as falling into one of the following categories: miner, professional, proprietor/manager, sales, clerical, skilled/semi-skilled worker, farmer/farm worker.

TABLE A.19  
NUMBER OF WVU EMPLOYEES PER HOUSEHOLD IN TELEPHONE-INTERVIEW SURVEY

Number of WVU Employees in Household	All Respondents	Dorm Students	Persons Not Living in Dorm		Students Not Living in Dorm		Nonstudent WVU Employees		Respondents Not Related to WVU
0	1039	515	524	39	0	485			
1	164	65	99	13	59	27			
2	17	0	17	2	15	0			
TOTAL	1220	580	640	54	74	512			

TABLE A.20  
NUMBER OF TRIPS PER RESPONDENT REPORTED BY RESPONDENTS TO TELEPHONE-INTERVIEW SURVEY

<u>Number of Trips</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Persons Not Living in Dorms</u>	<u>Students Not Living in Dorms</u>	<u>Non-student WVU Employees</u>	<u>Respondents Not Related to WVU</u>
0	541	246	295	18	20	257
1	11	9	2	0	0	2
2	405	199	206	23	33	150
3	66	32	34	4	6	24
4	129	68	61	5	9	47
5	20	6	14	2	1	11
6	40	19	21	2	4	15
7 or more	8	1	7	0	1	6
TOTAL	1220	580	640	54	74	512

TABLE A.21

NUMBER OF TRIPS PER REPODENT REPORTED BY  
STUDENTS RESIDING IN WVU DORMITORIES IN  
TELEPHONE-INTERVIEW SURVEY

<u>Number of Trips</u>	<u>Dorm Students</u>	<u>Towers</u>	<u>Main Campus Dorms</u>
0	246	54	192
1	9	3	6
2	199	82	117
3	32	8	24
4	68	54	14
5	6	5	1
6	19	16	3
7 or more	1	1	0
TOTAL	580	223	357



TABLE A. 22

ROUTES USED FOR TRIPS REPORTED IN TELEPHONE-INTERVIEW SURVEY

<u>Route</u>	<u>All Respondents</u>	<u>Trips</u>				<u>Students Not Living in Dorm</u>	<u>Nonstudent WVU Employees</u>	<u>Respondents Not Related to WVU</u>
		<u>Dorm Students</u>	<u>Persons Not Living in Dorm</u>	<u>Students Living in Dorm</u>	<u>Nonstudent WVU Employees</u>			
University Avenue	852	451	401	41	64	296		
Beechurst-Monongahela	609	342	267	32	35	200		
Willowdale and Stewart	31	3	28	4	8	16		
Other Routes	478	131	347	23	50	274		
<u>Coding Error</u>	<u>3</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>2</u>	<u>1</u>		
TOTAL	1973	927	1046	100	159	787		
Number of Respondents	1220	580	640	54	74	512		

(Note: Trip oriented tabulations reflect multiple trips per respondent.)

TABLE A.23  
ROUTES USED FOR TRIPS REPORTED BY STUDENTS  
RESIDING IN WVU DORMITORIES WHO RESPONDED TO  
TELEPHONE-INTERVIEW SURVEY

<u>Route</u>	<u>Trips</u>		
	<u>Dorm</u> <u>Students</u>	<u>Towers</u>	<u>Main</u> <u>Campus</u> <u>Dorms</u>
University Avenue	451	300	151
Beechurst-Monongahela	342	188	154
Willowdale and Stewart	3	0	3
Other Routes	131	48	83
<b>TOTAL</b>	927	536	391
Number of Respondents	580	223	357

TABLE A.24

ZONES OF ORIGIN BY RESPONDENT CATEGORY FOR  
ALL TRIPS REPORTED IN TELEPHONE-INTERVIEW  
SURVEY

Zone of Origin	<u>Trips</u>			<u>Person Not Living in Dorm</u>		
	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Total</u>	<u>Students</u>	<u>WVU Employees</u>	<u>Not related to WVU</u>
1	192	39	153	8	25	120
2	263	223	40	12	10	18
3	100	78	22	7	1	14
4	112	66	46	8	5	33
5	57	32	25	5	11	9
6	35	26	9	1	5	13
7	50	1	49	4	9	36
8	322	282	40	10	2	28
9	54	6	48	2	2	44
10	70	1	69	1	11	57
12	44	36	8	1	2	5
13	13	0	13	0	2	11
14	26	14	12	1	3	8
16	14	0	14	1	1	13
17	28	0	28	2	4	22
18	58	17	41	3	7	31
20	17	9	8	1	0	7
21	20	6	14	1	3	10
25	42	1	41	5	8	28
26	45	1	44	2	4	38
27	123	3	120	9	22	89
32	51	16	35	5	4	26
35	24	17	7	1	1	5
38	17	2	15	1	2	12
42	17	4	13	2	0	11
44	19	2	17	0	3	14
45	22	14	8	0	1	7
Other zones within 46-zone area	71	19	52	7	10	35
Outside 46-zone area	19	9	10	0	1	9
No response recorded	39	1	38	0	0	38
Coding Error	9	2	7	0	0	7
<b>TOTAL</b>	<b>1973</b>	<b>927</b>	<b>1046</b>	<b>100</b>	<b>159</b>	<b>787</b>
<b>Number of Respondents</b>	<b>1220</b>	<b>580</b>	<b>640</b>	<b>54</b>	<b>74</b>	<b>512</b>

TABLE A.25

ZONES OF ORIGIN FOR ALL TRIPS REPORTED  
BY STUDENTS RESIDING IN WVU DORMITORIES  
IN TELEPHONE-INTERVIEW SURVEY

<u>Zone of Origin</u>	<u>Trips</u>		<u>Main Campus Dorms</u>
	<u>Dorm Students</u>	<u>Towers</u>	
1	39	25	14
2	223	172	51
3	78	11	67
4	66	5	61
5	32	13	19
6	26	0	26
7	1	0	1
8	282	251	31
9	6	2	4
10	1	1	0
12	36	7	29
13	0	0	0
14	14	6	8
16	0	0	0
17	0	0	0
18	17	4	13
20	9	7	2
21	6	3	3
25	1	0	1
26	1	0	1
27	3	2	1
32	16	4	12
35	17	4	13
38	2	1	1
42	4	2	2
44	2	1	1
45	14	7	7
Other zones within 46-zone area	19	2	17
Outside 46-zone area	9	5	4
No response recorded	1	0	1
Coding Errors	2	1	1
<b>TOTAL</b>	<b>927</b>	<b>536</b>	<b>391</b>
Number of Respondents	580	223	357

TABLE A.26

ZONES OF ORIGIN BY ROUTE AND MODE FOR ALL TRIPS  
REPORTED IN TELEPHONE-INTERVIEW SURVEY

Zone of Origin	All Trips*	Noncorridor Trips**	Corridor Trips**			
			Total	Private	Auto	Bus
1	192	67	125	99	17	9
2	263	18	245	43	191	11
3	100	28	72	52	15	5
4	112	26	86	66	11	9
5	57	13	44	22	20	2
6	35	5	30	16	14	0
7	50	4	46	40	1	5
8	322	29	293	92	183	18
9	54	13	41	41	0	0
10	70	14	56	56	0	0
12	44	13	31	21	10	0
13	13	3	10	9	1	0
14	26	8	18	18	0	0
16	14	3	11	11	0	0
17	28	9	19	18	1	0
18	58	8	50	41	8	1
20	17	3	14	14	0	0
21	20	6	14	14	0	0
25	42	18	24	24	0	0
26	45	21	24	23	0	1
27	123	60	63	62	0	1
32	51	26	25	25	0	0
35	24	7	17	16	0	1
38	17	11	6	6	0	0
42	17	4	13	13	0	0
44	19	8	11	9	1	1
45	22	4	18	18	0	0
Other zones within 46-zone area	71	31	40	39	0	1
Outside 46-zone area	19	15	4	4	0	0
No response recorded	39	33	6	6	0	0
Coding Errors	9	4	5	4	1	0
<b>TOTAL</b>	<b>1973</b>	<b>512</b>	<b>1461</b>	<b>922</b>	<b>474</b>	<b>65</b>

\*Reflects all trips recorded for all 1220 respondents.

\*\*In this Appendix "corridor trips" are defined to be trips for which the route was reported as either University Avenue or Beechurst-Monongahela. Trips for which any other route was reported are called "noncorridor trips" in this Appendix. Origin, destination, and start time were recorded for all trips, but additional information such as mode, trip purpose, etc. were recorded only for corridor trips.

TABLE A.27

ZONES OF ORIGIN FOR CORRIDOR TRIPS  
REPORTED IN TELEPHONE-INTERVIEW SURVEY

Zone of Origin	All Respondents*	Dorm Students	Person Not Living in Dorm			
			Total	Student	WVU Employees	Not Related to WVU
1	125	31	94	6	15	73
2	245	215	30	10	6	14
3	72	58	14	5	0	9
4	86	56	30	6	3	21
5	44	23	21	4	10	7
6	30	23	7	1	5	1
7	46	1	45	4	9	32
8	293	259	34	9	2	23
9	41	4	37	2	2	33
10	56	0	56	0	7	49
12	31	27	4	1	0	3
13	10	0	10	0	1	9
14	18	11	7	1	3	3
16	11	0	11	0	1	10
17	19	0	19	0	2	17
18	50	16	34	1	6	27
20	14	7	7	0	0	7
21	14	5	9	1	3	5
25	24	1	23	5	5	13
26	24	0	24	1	0	23
27	63	2	61	7	10	44
32	25	7	18	2	2	14
35	17	13	4	1	1	2
38	6	1	5	1	0	4
42	13	4	9	0	0	9
44	11	2	9	0	2	7
45	18	12	6	0	0	6
Other zones within 46-zone area	40	12	28	5	3	20
Outside 46-zone area	4	2	2	0	1	1
No response recorded	6	0	6	0	0	6
Coding Error	5	1	4	0	0	4
<b>TOTAL</b>	<b>1461</b>	<b>793</b>	<b>668</b>	<b>73</b>	<b>99</b>	<b>496</b>

\*Reflects all corridor trips recorded for all 1220 respondents.

TABLE A.28

ZONES OF ORIGIN FOR TRIPS BY PRIVATE AUTO  
(EITHER AS DRIVER OR PASSENGER) REPORTED  
IN TELEPHONE INTERVIEW SURVEY

Zone of Origin	All Respondents *	Dorm Students	Person Not Living in Dorm			
			Total	Students	WVU Employees	Not Related to WVU
1	99	18	81	6	11	64
2	43	24	19	6	6	7
3	52	38	14	5	0	9
4	66	41	25	6	3	16
5	22	4	18	4	10	4
6	16	9	7	1	5	0
7	40	1	39	4	5	30
8	92	70	22	5	2	15
9	41	4	37	2	2	33
10	56	0	56	0	7	49
12	21	17	4	1	0	3
13	9	0	9	0	1	8
14	18	11	7	1	3	3
16	11	0	11	0	1	10
17	18	0	18	0	2	16
18	41	8	33	1	6	26
20	14	7	7	0	0	7
21	14	5	9	1	3	5
25	24	1	23	5	5	13
26	23	0	23	1	0	22
27	62	2	60	7	10	43
32	25	7	18	2	2	14
35	16	12	4	1	1	2
38	6	1	5	1	0	4
42	13	4	9	0	0	9
44	9	1	8	0	2	6
45	18	12	6	0	0	6
Other zones within 46-zone area	39	11	28	5	3	20
Outside 46-zone area	4	2	2	0	1	1
No Response Recorded	6	0	6	0	0	6
Coding Errors	4	0	4	0	0	4
<b>TOTAL</b>	<b>922</b>	<b>310</b>	<b>612</b>	<b>65</b>	<b>91</b>	<b>456</b>

\*Reflects all corridor trips by private auto recorded for all 1220 respondents.

TABLE A.29

ZONES OF ORIGIN FOR ALL BUS TRIPS  
REPORTED IN TELEPHONE-INTERVIEW  
SURVEY

<u>Zone of Origin</u>	<u>All Respondents *</u>	<u>Dorm Students</u>	<u>Person Not Living in Dorm</u>			<u>Not Related to WVU</u>
			<u>Total</u>	<u>Students</u>	<u>WVU Employees</u>	
1	17	10	7	0	0	7
2	191	181	10	4	0	6
3	15	15	0	0	0	0
4	11	10	1	0	0	1
5	20	18	2	0	0	2
6	14	14	0	0	0	0
7	1	0	1	0	0	1
8	183	174	9	3	0	6
9	0	0	0	0	0	0
10	0	0	0	0	0	0
12	10	10	0	0	0	0
13	1	0	0	0	0	1
14	0	0	1	0	0	0
16	0	0	0	0	0	0
17	1	0	0	0	0	1
18	8	7	1	0	0	1
20	0	0	1	0	0	0
21	0	0	0	0	0	0
25	0	0	0	0	0	0
26	0	0	0	0	0	0
27	0	0	0	0	0	0
32	0	0	0	0	0	0
35	0	0	0	0	0	0
38	0	0	0	0	0	0
42	0	0	0	0	0	0
44	1	1	0	0	0	0
45	0	0	0	0	0	0
Coding Error	1	1	0	0	0	0
<b>TOTAL</b>	<b>474</b>	<b>441</b>	<b>33</b>	<b>7</b>	<b>0</b>	<b>26</b>

\*Reflects all corridor trips by bus recorded for all 1220 respondents.



TABLE A.30  
ZONES OF DESTINATION BY RESPONDENT CATEGORY  
FOR ALL TRIPS REPORTED IN TELEPHONE-INTERVIEW  
SURVEY

<u>Zone of Destination</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Person Not Living in Dorm</u>			
			<u>Total</u>	<u>Student</u>	<u>WVU Employees</u>	<u>Not Related to WVU</u>
1	197	44	153	3	27	118
2	256	218	38	11	10	17
3	101	81	20	7	1	12
4	108	63	45	8	5	32
5	57	34	23	5	11	7
6	40	30	10	1	5	4
7	52	1	51	4	9	38
8	317	277	40	10	3	27
9	53	6	47	2	2	43
10	70	1	69	1	10	58
12	44	35	9	1	2	6
13	14	1	13	0	2	11
14	29	14	15	2	3	10
16	16	0	16	1	1	14
17	27	0	27	2	4	21
18	58	16	42	3	7	32
20	18	9	9	2	0	7
21	17	5	12	1	3	8
22	10	3	7	6	0	1
25	39	1	38	4	6	28
26	45	1	44	2	4	38
27	119	3	116	8	22	86
32	47	14	33	5	4	24
35	24	17	7	1	1	5
38	20	3	17	1	2	14
42	18	5	13	2	0	11
44	20	2	18	0	3	15
45	21	13	8	0	1	7
Other zones within 46-zone area	55	14	41	2	10	29
Outside 46-zone area	19	10	9	0	1	8
No Response Recorded	55	6	49	0	0	49
Coding Error	7	0	7	0	0	7
<b>TOTAL</b>	<b>1973</b>	<b>927</b>	<b>1046</b>	<b>100</b>	<b>159</b>	<b>787</b>

TABLE A.31

ZONE OF DESTINATION FOR ALL TRIPS REPORTED BY  
STUDENTS RESIDING IN WVU DORMITORIES IN TELEPHONE-  
INTERVIEW SURVEY

<u>Zone of</u> <u>Destination</u>	<u>Dorm</u> <u>Students</u>	<u>Towers</u>	<u>Main Campus</u> <u>Dorms</u>
1	44	26	18
2	218	173	45
3	81	12	69
4	63	4	59
5	34	14	20
6	30	2	28
7	1	0	1
8	277	247	30
9	6	2	4
10	1	1	0
12	35	7	28
13	1	1	0
14	14	6	8
16	0	0	0
17	0	0	0
18	16	3	13
20	9	7	2
21	5	2	3
22	3	0	3
25	1	0	1
26	1	0	1
27	3	2	1
32	14	3	11
35	17	4	13
38	3	1	2
42	5	2	3
44	2	1	1
45	13	7	6
Other zones within 46- zone area	14	2	12
Outside 46- zone area	10	6	4
No Response Recorded	6	1	5
<b>TOTAL</b>	<b>927</b>	<b>536</b>	<b>391</b>

TABLE A.32

ZONES OF DESTINATION BY ROUTE AND MODEFOR ALL TRIPS REPORTED IN TELEPHONE-INTERVIEW SURVEY

<u>Zone of Destination</u>	<u>All Trips</u>	<u>Noncorridor Trips</u>	<u>Corridor Trips</u>			
			<u>Total</u>	<u>Private Auto</u>	<u>Bus</u>	<u>Other Modes</u>
1	197	62	135	103	21	11
2	256	13	243	49	184	10
3	101	29	72	52	14	6
4	108	26	82	67	11	4
5	57	11	46	21	23	2
6	40	5	35	13	22	0
7	52	4	48	42	1	5
8	317	37	280	95	170	15
9	53	11	42	41	1	0
10	70	13	57	57	0	0
12	44	13	31	18	11	2
13	14	2	12	11	1	0
14	29	9	20	20	0	0
16	16	3	13	13	0	0
17	27	11	16	15	1	0
18	58	9	49	39	9	1
20	18	2	16	15	1	0
21	17	2	15	15	0	0
22	10	0	10	10	0	0
25	39	18	21	20	1	0
26	45	18	27	25	1	1
27	119	65	54	53	0	1
32	47	23	24	24	0	0
35	24	5	19	18	0	1
38	20	12	8	8	0	0
42	18	4	14	14	0	0
44	20	9	11	9	1	1
45	21	4	17	16	1	0
Other zones within 46- zone area	55	20	35	29	1	5
Outside 46- zone area	19	13	6	6	0	0
No response recorded	55	55	0	0	0	0
Coding Errors	7	3	4	4	0	0
TOTAL	1973	512	1461	922	474	65

TABLE A.33

ZONES OF DESTINATION FOR CORRIDOR TRIPS  
REPORTED IN TELEPHONE-INTERVIEW SURVEY

<u>Zone of Destination</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Person Not Living in Dorm</u>			<u>Not Related to WVU</u>
			<u>Total</u>	<u>Student</u>	<u>WVU Employees</u>	
1	135	37	98	5	14	79
2	243	212	31	11	5	15
3	72	61	11	4	0	7
4	82	53	29	5	3	21
5	46	25	21	5	10	6
6	35	28	7	1	5	1
7	48	1	47	4	9	34
8	280	247	33	7	3	23
9	42	4	38	2	2	34
10	57	1	56	0	6	50
12	31	28	3	0	0	3
13	12	1	11	0	2	9
14	20	9	11	2	3	6
16	13	0	13	1	1	11
17	16	0	16	0	2	14
18	49	15	34	0	7	27
20	16	8	8	1	0	7
21	15	5	10	1	3	6
22	10	3	7	6	0	1
25	21	1	20	4	5	11
26	27	0	27	2	0	25
27	54	0	54	5	9	40
32	24	6	18	2	2	14
35	19	14	5	1	1	3
38	8	1	7	1	0	6
42	14	4	10	2	0	8
44	11	2	9	0	2	7
45	17	12	5	0	0	5
Other zones within 46- zone area	35	12	23	1	4	18
Outside 46- zone area	6	3	3	0	1	2
Coding Errors	4	0	4	0	0	4
<b>TOTAL</b>	<b>1461</b>	<b>793</b>	<b>668</b>	<b>73</b>	<b>99</b>	<b>496</b>

TABLE A.34

ZONES OF DESTINATION FOR TRIPS BY PRIVATE AUTO  
(EITHER AS DRIVER OR PASSENGER) REPORTED IN  
TELEPHONE-INTERVIEW SURVEY

<u>Zone of Destination</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Person Not Living in Dorm</u>			
			<u>Total</u>	<u>Student</u>	<u>WVU Employees</u>	<u>Not Related to WVU</u>
1	103	19	84	5	10	69
2	49	28	21	7	5	9
3	52	41	11	4	0	7
4	67	41	26	5	3	18
5	21	3	18	4	10	4
6	13	6	7	1	5	1
7	42	1	41	4	5	32
8	95	72	23	4	3	16
9	41	4	37	2	2	33
10	57	1	56	0	6	50
12	18	16	2	0	0	2
13	11	1	10	0	2	8
14	20	9	11	2	3	6
16	13	0	13	1	1	11
17	15	0	15	0	2	13
18	39	5	34	0	7	27
20	15	7	8	1	0	7
21	15	5	10	1	3	6
22	10	3	7	6	0	1
25	20	1	19	4	5	10
26	25	0	25	2	0	23
27	53	0	53	5	9	39
32	24	6	18	2	2	14
35	18	13	5	1	1	3
38	8	1	7	1	0	6
42	14	1	10	2	0	8
44	9	1	8	0	2	6
45	16	12	4	0	0	4
Other zones within 46-zone area	22	7	22	1	4	18
Outside 46-zone area	6	3	3	0	1	2
Coding Errors	4	0	4	0	0	4
<b>TOTAL</b>	<b>922</b>	<b>310</b>	<b>612</b>	<b>65</b>	<b>91</b>	<b>456</b>

TABLE A.35

ZONES OF DESTINATION FOR ALL BUS TRIPS  
REPORTED IN TELEPHONE-INTERVIEW SURVEY

<u>Zone of Destination</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Person Not Living In Dorm</u>			<u>Not Related to WVU</u>
			<u>Total</u>	<u>Student</u>	<u>WVU Employees</u>	
1	21	14	7	0	0	7
2	184	177	7	3	0	4
3	14	14	0	0	0	0
4	11	10	1	0	0	1
5	23	21	2	1	0	1
6	22	22	0	0	0	0
7	1	0	1	0	0	1
8	170	161	9	3	0	6
9	1	0	1	0	0	1
10	0	0	0	0	0	0
12	11	11	0	0	0	0
13	1	0	1	0	0	1
14	0	0	0	0	0	0
16	0	0	0	0	0	0
17	1	0	1	0	0	1
18	9	9	0	0	0	0
20	1	1	0	0	0	0
21	0	0	0	0	0	0
22	0	0	0	0	0	0
25	1	0	1	0	0	1
26	1	0	1	0	0	1
27	0	0	0	0	0	0
32	0	0	0	0	0	0
35	0	0	0	0	0	0
38	0	0	0	0	0	0
42	0	0	0	0	0	0
44	1	1	0	0	0	0
45	1	0	1	0	0	1
<b>TOTAL</b>	<b>474</b>	<b>441</b>	<b>33</b>	<b>7</b>	<b>0</b>	<b>26</b>

TABLE A.36  
HOURS OF START OF TRIP BY  
RESPONDENT CATEGORY FOR ALL  
TRIPS REPORTED IN TELEPHONE-  
INTERVIEW SURVEY

<u>Hour of Start of Trip.</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Persons Not Living in Dorm</u>			
			<u>Total</u>	<u>Student</u>	<u>WVU Employee</u>	<u>Not Related to WVU</u>
0	2	2	0	0	0	0
1	19	13	6	0	1	5
2	14	12	2	0	0	2
3	5	5	0	0	0	0
4	3	3	0	0	0	0
5	1	0	1	0	0	1
6	6	0	6	0	1	5
7	69	26	43	1	5	37
8	100	28	72	4	21	47
9	120	51	69	7	10	52
10	120	53	67	4	8	55
11	120	49	71	4	12	55
12	193	104	89	12	14	63
13	155	80	75	8	15	52
14	145	75	70	10	7	53
15	149	72	77	11	13	53
16	131	61	70	10	9	51
17	120	45	75	11	21	43
18	104	47	57	4	12	41
19	70	41	29	2	1	26
20	69	40	29	7	3	19
21	69	42	27	2	4	21
22	56	41	15	2	1	12
23	39	26	13	1	1	11
Error or Missing	94	11	83	0	0	83
<b>TOTAL</b>	<b>1973</b>	<b>927</b>	<b>1046</b>	<b>100</b>	<b>159</b>	<b>787</b>

TABLE A.37

HOUR OF START OF TRIP FOR ALL  
TRIPS REPORTED BY STUDENTS RESIDING IN WVU  
DORMITORIES IN TELEPHONE-INTERVIEW SURVEY

<u>Hour of Start of Trip</u>	<u>Dorm Students</u>	<u>Towers</u>	<u>Main Campus Dorms</u>
0	2	2	0
1	13	6	7
2	12	9	3
3	5	4	1
4	3	3	0
5	0	0	0
6	0	0	0
7	26	21	5
8	28	21	7
9	51	43	8
10	53	34	19
11	49	34	15
12	104	63	41
13	80	47	33
14	75	37	38
15	72	48	24
16	61	33	28
17	45	16	29
18	47	24	23
19	41	17	24
20	40	23	17
21	42	18	24
22	41	18	23
23	26	9	17
Error or Missing	11	6	5
TOTAL	927	536	391



TABLE A.38

HOUR OF START OF TRIP BY ROUTE  
AND MODE FOR ALL TRIPS REPORTED  
IN TELEPHONE-INTERVIEW SURVEY

Hour of Start of Trip :	All Trips	Noncorridor Trips	Corridor Trip			
			Total	Private Auto	Bus	Other Modes
0	2	1	1	0	1	0
1	19	7	12	10	2	0
2	14	5	9	7	0	2
3	5	0	5	4	1	0
4	3	0	3	2	1	0
5	1	1	0	0	0	0
6	6	2	4	4	0	0
7	69	15	54	27	25	2
8	100	20	80	50	26	4
9	120	16	104	52	50	2
10	120	24	96	57	36	3
11	120	20	100	53	45	2
12	193	41	152	77	65	10
13	155	31	124	67	52	5
14	145	41	104	71	31	2
15	159	35	114	55	53	6
16	131	24	107	64	37	6
17	120	44	76	59	12	5
18	104	38	66	58	6	2
19	70	20	50	42	6	2
20	69	17	52	40	8	4
21	69	13	56	47	6	3
22	56	15	41	35	6	5
23	39	9	30	22	3	0
Error or Missing	94	73	21	19	2	0
TOTAL	1973	512	1461	922	474	65

TABLE A.39

HOUR OF START OF TRIP FOR  
CORRIDOR TRIPS REPORTED IN  
TELEPHONE-INTERVIEW SURVEY

<u>Hour of Start of Trip</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Person Not Living in Dorm</u>			<u>Not Related to WVU</u>
			<u>Total</u>	<u>Student</u>	<u>WVU Employees</u>	
0	1	1	0	0	0	0
1	12	9	3	0	1	2
2	9	8	1	0	0	1
3	5	5	0	0	0	0
4	3	3	0	0	0	0
5	0	0	0	0	0	0
6	4	0	4	0	1	3
7	54	24	30	0	4	26
8	80	26	54	3	17	34
9	104	50	54	5	6	43
10	96	46	50	4	6	40
11	100	45	55	3	9	43
12	152	89	63	7	7	49
13	124	73	51	8	9	34
14	104	59	45	7	6	32
15	114	63	51	9	8	34
16	107	58	49	7	5	37
17	76	37	39	5	12	22
18	66	37	29	4	1	24
19	50	32	18	2	0	16
20	52	33	19	6	2	11
21	56	37	19	2	3	14
22	41	31	10	0	1	9
23	30	23	7	1	1	5
Error or Missing	21	4	17	0	0	17
<b>TOTAL</b>	<b>1461</b>	<b>793</b>	<b>668</b>	<b>73</b>	<b>99</b>	<b>496</b>

TABLE A.40

HOUR OF START OF TRIP FOR TRIPS BY  
PRIVATE AUTO (EITHER AS DRIVER OR PASSENGER)  
REPORTED IN TELEPHONE-INTERVIEW SURVEY

Hour of Start of Trip	All Respondents	Dorm Students	Person Not Living in Dorm			
			Total	Student	WVU Employees	Not Related to WVU
0	0	0	0	0	0	0
1	10	7	3	0	1	2
2	7	6	1	0	0	1
3	4	4	0	0	0	0
4	2	2	0	0	0	0
5	0	0	0	0	0	0
6	4	0	4	0	1	3
7	27	1	26	0	4	22
8	50	1	49	3	15	31
9	52	5	47	4	6	37
10	57	9	48	4	6	38
11	53	3	50	3	9	38
12	77	22	55	5	7	43
13	67	20	47	7	9	31
14	71	28	43	7	6	30
15	55	13	42	6	6	30
16	64	18	46	6	3	37
17	59	23	36	5	12	19
18	58	31	27	4	1	22
19	42	24	18	2	0	16
20	40	21	19	6	2	11
21	47	30	17	2	1	14
22	35	25	10	0	1	9
23	22	15	7	1	1	5
Error or Missing	19	2	17	0	0	17
<b>TOTAL</b>	<b>922</b>	<b>310</b>	<b>612</b>	<b>65</b>	<b>91</b>	<b>456</b>

TABLE A.41

HOUR OF START OF TRIP FOR ALL BUS TRIPS  
REPORTED IN TELEPHONE-INTERVIEW SURVEY

<u>Hour of Start of Trip</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Person Not Living in Dorm</u>			<u>Not Related to WVU</u>
			<u>Total</u>	<u>Student</u>	<u>WVU Employees</u>	
0	1	1	0	0	0	0
1	2	2	0	0	0	0
2	0	0	0	0	0	0
3	1	1	0	0	0	0
4	1	1	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	25	22	3	0	0	3
8	26	25	1	0	0	1
9	50	45	5	1	0	4
10	36	35	3	0	0	1
11	45	42	4	0	0	3
12	65	61	4	1	0	3
13	52	48	2	1	0	3
14	31	29	6	0	0	2
15	53	47	1	3	0	3
16	37	36	1	1	0	0
17	12	11	2	0	0	1
18	6	4	0	0	0	2
19	6	6	0	0	0	0
20	8	8	0	0	0	0
21	6	6	0	0	0	0
22	6	6	0	0	0	0
23	3	3	0	0	0	0
Error or Missing	2	2	0	0	0	0
<b>TOTAL</b>	<b>474</b>	<b>441</b>	<b>33</b>	<b>7</b>	<b>0</b>	<b>26</b>

TABLE A.42

TRIP PURPOSE BY RESPONDENT CATEGORY FOR ALL  
CORRIDOR TRIPS REPORTED IN TELEPHONE-INTERVIEW SURVEY

Trip Purpose	All Respondents*	Dorm Students	Person Not Living in Dorm			
			Total	Student	WVU Employee	Not Related to WVU
Returning Home	592	334	258	31	38	189
School Related	295	255	40	20	4	16
Work Related	97	7	90	2	26	62
Shopping	103	23	40	3	9	68
Social-Recreational	147	103	44	7	6	31
Transfer to Another Means of Travel	5	4	1	0	1	0
Medical-Dental	15	2	13	0	0	13
Eat Meal	27	14	13	1	3	9
Personal Business	51	20	31	6	5	20
Transport Another Person	59	12	47	3	4	40
Other Purpose	23	9	14	0	1	13
No Response Recorded	22	1	21	0	2	19
Coding Errors	25	9	16	0	0	16
<b>TOTAL</b>	<b>1461</b>	<b>793</b>	<b>668</b>	<b>73</b>	<b>99</b>	<b>496</b>

\*Reflects all corridor trips recorded for all 1220 respondents.

TABLE A.43

TRIP PURPOSE BY MODE FOR ALL CORRIDOR TRIPS  
REPORTED IN TELEPHONE-INTERVIEW SURVEY

<u>Trip Purpose</u>	<u>Corridor Trips</u>	<u>Private Auto Trips</u>	<u>Bus Trips</u>	<u>Trips by Other Modes</u>
Returning home	592	365	201	26
School related	295	57	231	7
Work related	97	86	7	4
Shopping	103	97	4	2
Social-recreational	147	122	11	14
Transfer to Another Means of Travel	5	2	3	0
Medical-dental	15	14	0	1
Eat meal	27	23	3	1
Personal business	51	44	6	1
Transport another person	59	57	2	1
Other purposes	23	20	1	2
No Response recorded	22	15	2	5
Coding Errors	25	20	3	2
<b>TOTAL</b>	<b>1461</b>	<b>922</b>	<b>474</b>	<b>65</b>

TABLE A.44

TRIP PURPOSE BY RESPONDENT CATEGORY  
FOR ALL TRIPS BY PRIVATE AUTO REPORTED  
IN TELEPHONE-INTERVIEW SURVEY

<u>Trip Purpose</u>	<u>All Respondents*</u>	<u>Dorm Students</u>	<u>Person Not Living in Dorm</u>			
			<u>Total</u>	<u>Student</u>	<u>WVU Employee</u>	<u>Not Related to WVU</u>
Returning Home	365	129	236	28	34	174
School Related	57	27	30	15	4	11
Work Related	86	1	85	2	22	61
Shopping	97	22	75	3	9	63
Social-Recreational	122	78	44	7	6	31
Transfer to Another Means of Travel	2	1	1	0	1	0
Medical-Dental	14	1	13	0	0	13
Eat Meal	23	11	12	1	3	8
Personal Business	44	15	29	6	5	18
Transport Another Person	57	11	46	3	4	39
Other Purposes	20	7	13	0	1	12
No Response Recorded	15	0	15	0	2	13
Coding Errors	20	7	13	0	0	13
<b>TOTAL</b>	<b>922</b>	<b>310</b>	<b>612</b>	<b>65</b>	<b>91</b>	<b>456</b>

\*Reflects all corridor trips by private auto recorded for all 1220 respondents.

TABLE A.45

TRIP PURPOSE BY RESPONDENT CATEGORY FOR ALL BUS  
TRIPS REPORTED IN TELEPHONE-INTERVIEW SURVEY

Trip Purpose	All Respondents*	Dorm Students	Person Not Living in Dorm			
			Total	Student	WVU Employees	Not Related to WVU
Returning Home	201	186	15	3	0	12
School Related	231	222	9	4	0	5
Work Related	7	6	1	0	0	1
Shopping	4	1	3	0	0	3
Social-Recreational	11	11	0	0	0	0
Transfer to Another Means of Travel	3	3	0	0	0	0
Medical-Dental	0	0	0	0	0	0
Eat Meal	3	3	0	0	0	0
Personal Business	6	5	1	0	0	1
Transport Another Person	2	1	1	0	0	1
Other Purposes	1	1	0	0	0	0
No Response Recorded	2	1	1	0	0	1
Coding Errors	3	1	2	0	0	2
TOTAL	474	441	33	7	0	26

\*Reflects all corridor trips by bus for all 1220 respondents.



TABLE A.46

MODE OF TRAVEL FOR CORRIDOR TRIPS REPORTED IN TELEPHONE-INTERVIEW SURVEY

Mode	All Respondents *	Dorm Students		Persons Not Living in Dorm		Students Not Living in Dorm		Nonstudent WVU Employees		Respondents Not Related to WVU	
Auto-driver	688	139	549	55	87	407					
Auto-passenger	234	171	63	10	4	49					
County Bus	4	1	3	0	0	3					
City Bus	11	0	11	0	0	11					
University Bus	459	440	19	7	0	12					
Taxi	10	0	10	0	8	2					
Hitchhike	37	36	1	1	0	0					
Motorcycle	2	2	0	0	0	0					
No. Response Recorded	16	4	12	0	0	12					
TOTAL	1461	793	668	73	99	496					

\*Reflects all corridor trips recorded for all 1220 respondents.

TABLE A.47

MODE OF TRAVEL FOR TRIPS REPORTED BY STUDENTS RESIDING  
IN WVU DORMITORIES WHO RESPONDED TO TELEPHONE-INTERVIEW  
SURVEY

<u>Mode</u>	<u>Dorm Students</u>	<u>Towers</u>	<u>Main Campus Dorms</u>
Auto-driver	139	49	90
Auto-passenger	171	90	81
County bus	1	1	0
City bus	0	0	0
University bus	440	323	117
Taxi	0	0	0
Hitchhike	36	23	13
Motorcycle	2	0	2
No Response Recorded	4	2	2
TOTAL	793	488	305

\*Reflects all corridor trips recorded for all 580 respondents living in WVU dormitories.

TABLE A.48

MAIN REASON GIVEN FOR CHOICE OF MODE BY RESPONDENT  
CATEGORY FOR CORRIDOR TRIPS REPORTED IN TELEPHONE-  
INTERVIEW SURVEY

<u>Reason for Choice of Mode</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Person Not Living In Dorm</u>			<u>Not Related to WVU</u>
			<u>Total</u>	<u>Student</u>	<u>WVU Employees</u>	
Convenience	869	440	429	41	64	324
Low Cost	34	14	20	4	10	6
Speed	71	45	26	4	0	22
No other Transportation Available	452	281	171	23	24	124
Safety	8	3	5	0	0	5
Respondent Does Not Drive	10	2	8	0	0	8
Other reason	5	5	0	0	0	0
No Response Recorded	12	3	9	1	1	7
<b>TOTAL</b>	<b>1461</b>	<b>793</b>	<b>668</b>	<b>73</b>	<b>99</b>	<b>496</b>

TABLE A.49

MAIN REASON FOR CHOICE OF MODE BY MODE FOR  
CORRIDOR TRIPS REPORTED IN TELEPHONE-INTERVIEW  
SURVEY

<u>Reason for Choice of Mode</u>	<u>Corridor Trips</u>	<u>Private Auto Trips</u>	<u>Bus Trips</u>	<u>Trips by Other Modes</u>
Convenience	869	636	216	17
Low Cost	34	18	8	8
Speed	71	43	14	14
No Other Transportation Available	452	207	230	15
Safety	8	8	0	0
Respondent Does Not Drive	10	4	4	2
Other Reason	5	2	2	1
No Response Recorded	12	4	0	8
TOTAL	1461	922	474	65

TABLE A.50

MAIN REASON GIVEN FOR CHOICE OF MODE FOR  
PRIVATE AUTO TRIPS REPORTED IN TELEPHONE-  
INTERVIEW SURVEY

Reason for Choice of Mode	All Respondents*	Dorm Students	Person Not Living In Dorm			
			Total	Student	WVU Employee	Not Related to WVU
Convenience	636	225	411	39	64	308
Low Cost	18	8	10	4	2	4
Speed	43	18	25	3	0	22
No other Transportation Available	207	52	155	18	24	113
Safety	8	3	5	0	0	5
Respondent Does Not Drive	4	0	4	0	0	4
Other Reason	2	2	0	0	0	0
No Response Recorded	4	2	2	1	1	0
TOTAL	922	310	612	65	91	456

\*Reflects all corridor trips by private auto recorded for all 1220 respondents.

TABLE A.51

MAIN REASON GIVEN FOR CHOICE OF MODE FOR BUS TRIPS  
REPORTED IN TELEPHONE-INTERVIEW SURVEY

Reason for Choice of Mode	All Respondents*	Dorm Students	Person Not Living In Dorm			
			Total	Student	WVU Employees	Not Related to WVU
Convenience	216	203	13	2	0	11
Low Cost	8	6	2	0	0	2
Speed	14	14	0	0	0	0
No Other Transportation Available	230	216	14	5	0	9
Safety	0	0	0	0	0	0
Respondent Does Not Drive	4	0	4	0	0	4
Other Reason	2	2	0	0	0	0
TOTAL	474	441	33	7	0	26

\*Reflects all corridor trips by bus recorded for all 1220 respondents.

TABLE A.52

FIRST ALTERNATIVE MODE PERCEIVED BY RESPONDENT CATEGORY  
FOR ALL CORRIDOR TRIPS REPORTED IN TELEPHONE-INTERVIEW SURVEY

<u>First Alternative Mode Perceived by Respondent</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Person Not Living In Dorm</u>			
			<u>Total</u>	<u>Student</u>	<u>WVU Employees</u>	<u>Not Related to WVU</u>
Auto-driver	77	58	19	2	8	9
Auto-passenger	81	49	32	9	2	21
Bus-county	25	3	22	0	9	13
Bus-city	205	15	190	4	35	151
Bus-university	166	131	35	13	3	19
Taxi	62	19	43	7	10	26
Hitchhike	279	259	20	7	1	12
Motorcycle	9	7	2	0	2	0
Bicycle	19	6	13	9	2	5
None	538	246	292	25	27	240
<b>TOTAL</b>	<b>1461</b>	<b>793</b>	<b>668</b>	<b>73</b>	<b>99</b>	<b>496</b>

TABLE A.53

FIRST ALTERNATIVE MODE PERCEIVED BY MODE FOR ALL  
CORRIDOR TRIPS REPORTED IN TELEPHONE-INTERVIEW SURVEY

<u>First Alternative Mode Perceived by Respondent</u>	<u>Corridor Trips</u>	<u>Private Auto Trips</u>	<u>Bus Trips</u>	<u>Trips by Other Modes</u>
Auto-driver	77	6	60	11
Auto-passenger	81	45	32	4
Bus-county	25	25	0	0
Bus-city	205	191	11	3
Bus-university	166	135	8	23
Taxi	62	49	11	2
Hitchhike	279	75	202	2
Motorcycle	9	4	5	0
Bicycle	19	17	2	0
None	538	375	143	20
TOTAL	1461	922	474	65



TABLE A.54

FIRST ALTERNATIVE MODE PERCEIVED FOR PRIVATE AUTO  
TRIPS REPORTED IN TELEPHONE-INTERVIEW SURVEY

<u>First Alternative Mode Perceived by Respondent</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Person Not Living In Dorm</u>			
			<u>Total</u>	<u>Student</u>	<u>WVU Employee</u>	<u>Not Related to WVU</u>
Auto-driver	6	2	4	2	0	2
Auto-passenger	45	19	26	9	2	15
Bus-county	25	3	22	0	9	13
Bus-city	191	5	186	4	35	147
Bus-university	135	101	34	13	3	18
Taxi	49	8	41	7	10	24
Hitchhike	75	62	13	2	1	10
Motorcycle	4	2	2	0	2	0
Bicycle	17	9	13	6	2	5
None	375	104	271	22	27	222
<b>TOTAL</b>	<b>922</b>	<b>310</b>	<b>612</b>	<b>65</b>	<b>91</b>	<b>456</b>

TABLE A.55

FIRST ALTERNATIVE MODE FOR BUS TRIPS REPORTED  
IN TELEPHONE-INTERVIEW SURVEY

<u>First Alter- Native Mode Perceived by Respondent</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Person Not Living In Dorm</u>			
			<u>Total</u>	<u>Student</u>	<u>WVU Employees</u>	<u>Not Related to WVU</u>
Auto-driver	60	55	5	0	5	0
Autopassenger	32	26	6	0	6	0
Bus-county	0	0	0	0	0	0
Bus-city	11	10	1	0	1	0
Bus-university	8	8	0	0	0	0
Taxi	11	9	2	0	2	0
Hitchhike	202	195	7	5	2	0
Motrocycle	5	5	0	0	0	0
Bicycle	2	2	0	0	0	0
None	143	131	12	2	10	0
<b>TOTAL</b>	<b>474</b>	<b>441</b>	<b>33</b>	<b>7</b>	<b>26</b>	<b>0</b>

TABLE A.56

SECOND ALTERNATIVE MODE PERCEIVED BY RESPONDENT  
CATEGORY FOR ALL CORRIDOR TRIPS REPORTED IN  
TELEPHONE-INTERVIEW SURVEY

<u>Second Alter- native Mode Perceived by Respondent</u>	<u>All Respondent</u>	<u>Dorm Students</u>	<u>Person Not Living In Dorm</u>			
			<u>Total</u>	<u>Student</u>	<u>WVU Employee</u>	<u>Not Related to WVU</u>
Auto-driver	13	9	4	1	2	1
Auto-passenger	50	36	14	0	3	11
Bus-county	5	1	4	0	0	4
Bus-city	22	11	11	0	2	9
Bus-university	25	11	14	0	10	4
Taxi	62	17	45	10	4	31
Hitchhike	57	43	14	3	2	9
Motorcycle	0	0	0	0	0	0
Bicycle	7	6	1	0	0	1
None	1220	659	561	59	76	426
<b>TOTAL</b>	<b>1461</b>	<b>793</b>	<b>668</b>	<b>73</b>	<b>99</b>	<b>496</b>

TABLE A.57

SECOND ALTERNATIVE MODE PERCEIVED BY MODE FOR ALL  
CORRIDOR TRIPS REPORTED IN TELEPHONE-INTERVIEW SURVEY

<u>Second Alternative Mode Perceived by Respondent</u>	<u>Corridor Trips</u>	<u>Private Auto Trips</u>	<u>Bus Trips</u>	<u>Trips by Other Modes</u>
Auto-driver	13	4	8	1
Auto-passenger	50	23	25	2
Bus-county	5	5	0	0
Bus-city	22	18	2	2
Bus-university	25	20	4	1
Taxi	62	58	4	0
Hitchhike	57	33	23	6
Motorcycle	0	0	0	0
Bicycle	7	3	4	0
None	1220	758	404	58
TOTAL	1461	922	474	65

TABLE A.58

SECOND ALTERNATIVE MODE PERCEIVED FOR PRIVATE  
AUTO TRIPS REPORTED IN TELEPHONE-INTERVIEW SURVEY

<u>Second Alternative Mode Perceived by Respondent</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Person Not Living In Dorm</u>			
			<u>Total</u>	<u>Student</u>	<u>WVU Employee</u>	<u>Not Related to WVU</u>
Auto-driver	4	1	3	1	2	0
Auto-passenger	23	9	14	0	3	11
Bus-county	5	1	4	0	0	4
Bus-city	18	7	11	0	2	9
Bus-university	20	6	14	0	10	4
Taxi	58	13	45	10	4	31
Hitchhike	33	21	12	3	2	7
Motorcycle	0	0	0	0	0	0
Bicycle	3	2	1	0	0	1
None	758	250	508	51	68	389
<b>TOTAL</b>	<b>922</b>	<b>310</b>	<b>612</b>	<b>65</b>	<b>91</b>	<b>456</b>

TABLE A.59

SECOND ALTERNATIVE MODE FOR BUS TRIPS  
REPORTED IN TELEPHONE-INTERVIEW SURVEY

Second Alternative Mode Perceived by Respondent	All Respondents	Dorm Students	Person Not Living In Dorm			
			Total	Student	WVU Employee	Not Related to WVU
Auto-driver	8	7	1	0	1	0
Auto-passenger	25	25	0	0	0	0
Bus-county	0	0	0	0	0	0
Bus-city	2	2	0	0	0	0
Bus-university	4	4	0	0	0	0
Taxi	4	4	0	0	0	0
Hitchhike	23	21	2	0	2	0
Motorcycle	0	0	0	0	0	0
Bicycle	4	4	0	0	0	0
None	404	374	30	7	23	0
<b>TOTAL</b>	<b>474</b>	<b>441</b>	<b>33</b>	<b>7</b>	<b>26</b>	<b>0</b>

TABLE A.60

## PARKING SPACES USED FOR PRIVATE AUTO TRIPS REPORTED IN TELEPHONE-INTERVIEW SURVEY

Parking Space	All Respondents	Dorm Students	Persons Not Living in Dorm		Students Not Living in Dorm		Nonstudent WVU Employees	Persons Not Related to WVU
			Living in Dorm	Not Living in Dorm	Living in Dorm	Not Living in Dorm		
At residence	256	18	238	28	37	173		
University lot	84	39	45	11	22	12		
On-street metered	28	5	23	3	3	17		
On-street nonmetered	54	34	20	1	7	12		
Private paid lot	101	26	75	3	1	71		
Off-street metered City lot	28	6	22	0	3	19		
Off-street nonmetered	150	48	102	9	11	82		
Other parking space	17	4	13	1	1	11		
No response	204	130	74	9	6	59		
TOTAL	922	310	612	65	91	456		

TABLE A.61  
AUTO AVAILABILITY FOR BUS TRIPS REPORTED IN TELEPHONE-INTERVIEW SURVEY

<u>Was an Auto Available for Trip?</u>	<u>All Respondents</u>	<u>Dorm Students</u>	<u>Persons Not Living in Dorm</u>		<u>Students Not Living in Dorm</u>	<u>Persons Not Related to WVU</u>	
			<u>Living in Dorm</u>	<u>Nonstudent WVU Employees</u>		<u>Living in Dorm</u>	<u>Nonstudent WVU Employees</u>
Yes	78	71	7	0	0	0	7
No	394	369	25	6	0	0	19
No Response	2	1	1	1	0	0	0
<b>TOTAL</b>	<b>474</b>	<b>441</b>	<b>33</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>26</b>



APPENDIX B

SELECTED FREQUENCY TABULATIONS FOR  
UNIVERSITY BUS ON-BOARD SURVEY

TABLE B.1

## LOCATIONS WHERE RESPONDENTS TO UNIVERSITY-BUS-ON-BOARD SURVEY ENTERED BUS

Location Respondent Entered Bus	Towers	Dorm Residents		Total	PMA Area	Non-dorm Residents		Total
		Main Campus				Non-PMA Area	Total	
Towers	370	50		420	174	94		688
Campus Drive	331	93		424	249	171		844
Mountainlair	4	30		34	35	19		88
Engineering	4	3		7	9	9		25
C.A.C.	5	6		11	20	13		44
Forestry	0	2		2	5	3		10
Coliseum	1	1		2	6	0		8
Medical Center	7	1		8	8	5		21
Other Location	1	0		1	0	1		2
No Response or Coding Error	1	2		3	5	2		10
TOTAL	724	188		912	511	317		1740

TABLE B.2  
 ZONES FROM WHICH RESPONDENTS TO UNIVERSITY-BUS ON-BOARD SURVEY WAS  
 COMING WHEN THEY ENTERED BUS

Zone Respondent was coming from.	Dorm Residents		Total	PMA Area	Non-Dorm Residents		Total
	Towers	Main Campus			Non-PMA Area	Total	
1	14	1	15	21	14	35	50
2	323	40	363	164	132	296	659
3	5	75	80	26	5	31	111
4	4	10	14	47	3	50	64
5	25	22	47	94	48	142	189
6	0	2	2	5	3	8	10
7	340	23	363	42	22	64	427
9	0	0	0	1	0	1	1
12	1	8	9	16	7	23	32
14	1	0	1	0	6	6	7
15	0	0	0	0	5	5	5
18	6	5	11	25	14	39	50
19	2	0	2	29	1	30	32
21	0	0	0	1	21	22	22
23	0	0	0	0	11	11	11
24	0	0	0	0	6	6	6
25	0	0	0	18	0	18	18
26	1	0	1	7	0	7	8
27	0	0	0	3	2	5	5
32	0	0	0	2	3	5	5
Other zones	1	1	2	4	14	18	20
No Response or Coding Error	1	1	2	6	0	6	8
TOTAL	724	188	912	511	317	828	1740

TABLE B.3

LOCATIONS WHERE RESPONDENTS TO UNIVERSITY-BUS ON-BOARD SURVEY  
REPORTED THEY WOULD LEAVE BUS

Location Respondent will leave Bus	Dorm Residents		Total	PMA Area	Non-Dorm Residents		Total
	Towers	Main Campus			Non-PMA Area	Total	
Towers	333	37	370	103	88	191	561
Campus Drive	300	47	347	168	87	255	602
Mountainlair	42	7	49	22	12	34	83
Engineering	11	34	45	63	43	106	151
C.A.C.	18	28	46	60	37	97	143
Forestry	4	24	28	79	36	115	143
Coliseum	7	3	10	1	2	3	13
Medical Center	3	7	10	12	8	20	30
Other Location	4	1	5	1	2	3	8
No Response Recorded	2	0	2	2	2	4	6
TOTAL	724	188	912	511	317	828	1740

TABLE B.4

ZONES FOR RESIDENCE FOR RESPONDENTS TO UNIVERSITY-BUS ON-BOARD SURVEY

Respondents Zone of Residence	Dorm Residents		PMA Area	Non-Dorm Residents		Total
	Towers	Main Campus		Non-PMA Area	Total	
1	0	0	42	0	42	42
2	0	0	41	0	41	41
3	0	142	50	0	50	192
4	0	23	100	0	100	123
8	724	0	11	0	11	735
14:	0	1	0	20	20	21
15	0	1	0	29	29	30
18	0	0	0	11	11	11
19	0	0	75	0	75	75
21	0	0	0	61	61	61
23	0	0	0	29	29	29
24	0	0	0	20	20	20
25	0	0	60	0	60	60
26	0	1	26	0	26	27
27	0	0	23	0	23	23
32	0	1	0	15	15	16
33	0	0	0	19	19	19
35	0	0	0	30	30	30
45	0	0	0	15	15	15
Residence Not Given	0	0	65	19	84	84
Other zones	0	19	18	49	67	86
TOTAL	912	188	511	317	828	1740

TABLE B.5  
 HOUR WHEN TRIP STARTED FOR RESPONDENTS TO UNIVERSITY-BUS ON-BOARD SURVEY

Hour When Trip Started	Dorm Residents		Total	PMA Area	Non-Dorm Residents		Total
	Towers	Main Campus			Non-PMA Area	Total	
0	0	1	1	1	0	1	2
1	5	1	6	4	0	4	10
2	2	0	2	0	1	1	3
3	1	0	1	0	0	0	1
6	1	1	2	0	1	1	3
7	6	13	19	23	17	40	59
8	27	10	37	24	25	49	86
9	45	8	53	22	9	31	84
10	88	6	94	49	27	76	170
11	98	15	113	50	43	93	206
12	99	25	124	69	40	109	233
13	138	29	167	97	52	149	316
14	62	26	88	48	30	78	166
15	85	23	108	55	38	93	201
16	5	0	5	2	2	4	9
17	11	5	16	15	15	30	46
18	30	21	51	46	14	60	111
19	17	3	20	3	0	3	23
21	1	0	1	0	0	0	1
22	2	0	2	0	1	1	3
23	0	0	0	3	2	5	5
Coding Errors	1	1	2	0	0	0	2
TOTAL	727	188	912	511	317	828	1740

TABLE B.6

## TRIP PURPOSES FOR RESPONDENTS TO UNIVERSITY-BUS ON-BOARD SURVEY

Trip Purpose	Dorm Residents			Non-Dorm Residents		Total
	Towers	Main Campus	Total	PMA Area	Non-PMA Area	
Returning Home	266	37	303	152	101	556
School Related	349	116	465	292	151	908
Work Related	4	5	9	15	21	45
Shopping	14	1	15	1	4	20
Social-Recreation	25	9	34	14	8	56
To get to another means of transportation	1	6	7	4	15	26
Medical-Dental	1	5	6	8	2	16
Eat Meal	28	2	30	6	4	40
Personal Business	21	3	24	13	6	43
Other Purpose, incl. to transport another person	10	1	11	3	5	19
No Response Recorded or Coding Errors	5	3	8	3	0	11
TOTAL	724	188	912	511	317	1740

TABLE B.7  
ALTERNATE MODES OF VEHICULAR TRANSPORTATION PERCEIVED BY RESPONDENTS TO  
UNIVERSITY-BUS ON-BOARD SURVEY

Alternate Vehicular Transportation Available for Trip.	Dorm Resident		Total	PMA Area	Non-Dorm Resident		Total
	Towers	Main Campus			Non-PMA Area	Total	
Auto-Driver	128	24	152	126	108	234	386
Auto-Passenger	76	13	89	50	34	84	173
Hitchhike	400	77	477	227	133	360	837
Taxi	70	14	84	26	30	56	140
Bus-County	9	2	11	11	7	18	29
Bus-City	30	7	37	21	34	55	92
Motorcycle	9	3	12	5	2	7	19
Bicycle	26	8	34	17	26	43	77
None	272	89	361	195	92	287	648



TABLE B.8

MAIN REASON FOR CHOOSING MODE OF TRANSPORTATION GIVEN BY RESPONDENTS TO  
UNIVERSITY-BUS ON-BOARD SURVEY

Main Reason for choosing University Bus for trip.	Dorm Residents		PMA Area	Non-Dorm Residents		Total
	Towers	Main Campus		Non-PMA Area	Total	
Convenience	350	70	209	175	384	804
Low Cost	19	6	46	32	78	103
Speed	11	5	7	6	13	29
Safety	11	2	7	0	7	20
No other vehicle transportation available	296	91	201	72	273	660
Respondent does not drive	6	2	11	6	17	25
Other Reason	18	10	23	19	42	70
No Response Recorded or Coding Errors	13	2	7	7	14	29
TOTAL	724	188	511	317	828	1740

TABLE B.9  
AUTO OWNERSHIP FOR RESPONDENTS TO UNIVERSITY-BUS ON-BOARD SURVEY

Number of autos owned by respondent and spouse.	Dorm Residents		PMA Area	Non-Dorm Residents		Total
	Towers	Main Campus		Total	Non-PMA Area	
0	471	126	313	133	446	1043
1	213	58	185	143	328	599
2	22	4	11	39	50	76
3	12	0	0	0	0	12
4 or more	5	0	1	1	2	7
No Response	1	0	1	1	2	3
TOTAL	724	188	511	317	828	1740

TABLE B.10  
AUTO AVAILABILITY FOR RESPONDENTS TO UNIVERSITY-BUS  
ON-BOARD SURVEY

Was car available which could have been used for this trip?	Dorm Residents		Total	PMA Area	Non-Dorm Residents		Total
	Towers	Main Campus			Non-PMA Area	Total	
Yes	188	35	223	162	140	302	525
No	534	153	687	349	176	525	1212
No Response	2	0	2	0	1	1	3
TOTAL	724	188	912	511	317	828	1740

TABLE B.11  
LICENSED DRIVERS AMONG RESPONDENTS TO UNIVERSITY-BUS ON-BOARD SURVEY

Is respondent a licensed driver?	Dorm Residents		Total	PMA Area	Non-Dorm Residents		Total
	Towers	Main Campus			Non-PMA Area	Total	
Yes	693	177	870	477	304	781	1651
No	29	11	40	33	13	46	86
No Response	2	0	2	1	0	1	3
TOTAL	724	188	912	511	317	828	1740

TABLE B.12

MODE OF TRAVEL TO BUS FOR RESPONDENTS TO UNIVERSITY-BUS  
ON-BOARD SURVEY

Mode of travel to point where Bus boarded.	Towers	Dorm Residents		Total	PMA Area	Non-Dorm Residents		Total
		Main Campus				Non-PMA Area	Total	
Walk	673	155		828	428	249	677	1505
Auto-Driver	5	3		8	3	15	18	26
Auto-Passenger	2	5		7	7	9	16	23
University Bus	35	24		59	63	39	102	161
Other, incl. city bus, county bus, taxi, hitchhike, motorcycle, bicycle	9	1		10	9	5	14	24
No Response	0	0		0	1	0	1	1
TOTAL	724	188		912	511	317	828	1740

TABLE B.13  
MINUTES WAITED AT BUS STOP FOR RESPONDENTS TO UNIVERSITY-BUS  
ON-BOARD SURVEY

Number of minutes waited at stop for Bus	Dorm Residents			PMA Area	Non-Dorm Residents		Total
	Towers	Main Campus	Total		Non-PMA Area	Total	
0 - 5	649	152	801	431	274	705	1506
6 - 10	46	20	66	50	23	73	139
11 - 15	11	10	21	15	14	29	50
16 - 20	9	3	12	5	0	5	17
21 - 25	3	0	3	6	3	9	12
26 - 30	5	1	6	1	2	3	9
over 30	0	2	2	2	1	3	5
No Response	1	0	1	1	0	1	2
TOTAL	724	188	912	511	317	828	1740

TABLE B.14  
SEX DISTRIBUTION OF RESPONDENTS TO UNIVERSITY-BUS ON-BOARD SURVEY

Sex	Towers	Dorm Residents		Total	PMA Area	Non-Dorm Residents		Total	
		Main Campus				Non-PMA Area	Total		
Female	362	92		454	243	151		394	848
Male	361	96		457	264	162		426	883
No Response/Coding Error	1	0		1	4	4		8	9
TOTAL	724	188		912	511	317		828	1740

TABLE B.15  
AGE DISTRIBUTION OF RESPONDENTS TO UNIVERSITY-BUS ON-BOARD SURVEY

Age	Dorm Residents		Total	Non-Dorm Residents		Total
	Towers	Main Campus		PMA Area	Non-PMA Area	
15-19	583	128	711	98	60	869
20-24	133	57	190	359	207	756
25-34	2	2	4	42	36	82
35-44	0	1	1	4	7	12
Older than 44	1	0	1	1	7	9
No Response/Coding Error	5	0	5	5	0	10
TOTAL	724	188	912	511	317	828
						1740



TABLE B.16  
MARITAL STATUS OF RESPONDENTS TO UNIVERSITY-BUS ON-BOARD SURVEY

Marital Status	Dorm Residence		Total	Non-Dorm Residents		Total
	Towers	Main Campus		PMA Area	Non-PMA Area	
Married, incl. separated	10	2	12	55	66	121
Single, incl. divorced & widowed	714	186	900	453	250	703
No Response	0	0	0	3	1	4
TOTAL	724	188	912	511	317	828
						1740

TABLE B.17  
OCCUPATIONS OF RESPONDENTS TO UNIVERSITY-BUS ON-BOARD SURVEY

Occupation	Towers	Dorm Residents		Total	PMA Area	Non-Dorm Residents		Total
		Main Campus	Total			Non-PMA Area	Total	
Housewife	3	0	3	5	2	7	10	
Student	715	184	899	487	287	774	1673	
Professional	1	0	1	8	18	26	27	
Clerical	1	1	2	3	6	9	11	
Other, incl. miner, sales, proprietor or manager, skilled or semi-skilled, farmer or farm worker, not employed	3	3	6	7	4	11	17	
No Response or Coding Error	1	0	1	1	0	1	2	
TOTAL	724	188	912	511	317	828	1740	

TABLE B.18  
FULLTIME WVU EMPLOYEES AMONG RESPONDENTS TO UNIVERSITY-BUS ON-BOARD SURVEY

Is respondent a full-time WVU employee?	Dorm Residents		Total	PMA Area	Non-Dorm Residents		Total
	Towers	Main Campus			Non-PMA Area	Total	
Yes	71	16	87	58	52	110	197
No	651	169	820	453	264	717	1537
No Response	2	3	5	0	1	1	6
TOTAL	724	188	912	511	317	828	1740

TABLE B.19  
NUMBER OF PERSONS PER HOUSEHOLD FOR UNIVERSITY-BUS ON-BOARD SURVEY

Household Size	Dorm Residents		Total	PMA Area	Non-Dorm Residents		Total
	Towers	Main Campus			Non-PMA Area	Total	
1	703	178	881	437	196	633	1514
2	7	7	14	44	75	119	133
3	11	3	14	19	28	47	61
4	2	0	2	7	11	18	20
5	0	0	0	2	5	7	7
6 or more	1	0	1	2	2	4	5
TOTAL	724	188	912	511	317	828	1740

TABLE B.20  
NUMBER OF EMPLOYED PERSONS PER HOUSEHOLD IN UNIVERSITY-BUS ON-BOARD SURVEY

Number of Employed Persons in Household.*	Dorm Residents		PMA Area	Non-Dorm Residents		Total
	Towers	Main Campus		Non-PMA Area	Total	
0	707	183	465	233	698	1588
1	13	5	35	66	101	119
2	4	0	10	18	28	32
3	0	0	1	0	1	1
TOTAL	724	188	511	317	828	1740

\* A person was counted as employed only if his occupation was reported as falling into one the following categories: miner, professional, proprietor/manager, sales, clerical, skilled/semi-skilled worker, farmer/farm worker.

TABLE B.21  
NUMBER OF WVU EMPLOYEES PER HOUSEHOLD IN UNIVERSITY-BUS ON-BOARD SURVEY

Number of W.V.U. employees in household.	Towers	Dorm Residents		Total	PMA Area	Non-Dorm Residents		Total
		Main Campus	Total			Non-PMA Area	Total	
0	650	172	822	434	245	679	1501	
1	71	16	87	71	63	134	221	
2	3	0	3	6	9	15	18	
TOTAL	724	188	912	511	317	828	1740	

TABLE B.22  
NUMBER OF LICENSED DRIVERS PER HOUSEHOLD FOR UNIVERSITY-BUS  
ON-BOARD SURVEY

Number of licensed drivers in household.	Dorm Residents		Total	PMA Area	Non-Dorm Residents		Total
	Towers	Main Campus			Non-PMA Area	Total	
0	31	11	42	33	9	42	84
1	674	172	846	418	196	614	1460
2	8	3	11	38	80	118	129
3	9	2	11	14	23	37	48
4 or more	2	0	2	8	9	17	19
TOTAL	724	188	912	511	317	828	1740

APPENDIX C

SELECTED FREQUENCY TABULATIONS FOR  
CITY AND COUNTY BUS ON-BOARD SURVEY



TABLE C.1  
LOCATIONS WHERE RESPONDENTS TO CITY-AND-  
COUNTY BUS ON-BOARD SURVEY ENTERED BUS

---

Zone Where Respondent Entered Bus	All Respondents	City Bus	County Bus
1	80	41	39
2	7	1	6
14	6	0	6
15	9	5	4
18	20	3	17
23	9	9	0
45	6	0	6
Other zones with 2 or less per zone	18	4	14
<b>TOTAL</b>	<b>155</b>	<b>63</b>	<b>92</b>

---

TABLE C.2

LOCATIONS FROM WHICH RESPONDENTS TO CITY-AND-COUNTY  
BUS ON-BOARD SURVEY WERE COMING WHEN THEY ENTERED BUS

---

<u>Where Respondent Was Coming from When He Got on Bus</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
CBD(Zone 1)	55	32	23
Main Campus(Zone 2)	10	7	3
Medical Center(Zone 18)	23	4	19
Star City-Downtown(Zone 14)	6	0	6
Star City-Hill's(Zone 45)	7	0	7
Westover(Zone 42)	5	0	5
Suncrest(Zones 9,10,13,15,16)	12	5	7
Zone 23	7	7	0
Zone 25	4	0	4
Zone 27	6	4	2
Other Zones Within 46 Zone Area	13	4	9
Outside 46 Zone Area	7	0	7
<hr/>			
TOTAL	155	63	92

---

TABLE C.3

LOCATIONS WHERE RESPONDENTS TO CITY-AND-COUNTY BUS  
ON-BOARD SURVEY REPORTED THEY WOULD LEAVE BUS

<u>Where Respondent Will Leave Bus</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
CBD(Zone 1)	49	20	29
Main Campus(Zone 2)	4	1	3
Evansdale Campus(Zones 5,6,8)	6	4	2
Medical Center (Zone 18)	26	12	14
Star City-Downtown(Zone 14)	14	1	13
Star City-Hill's (Zone 45)	13	0	13
Suncrest(Zones 9,10,13,15,16)	26	23	3
Zone 21	4	1	3
Other Zones Within 46 Zone Area	9	1	8
Outside 46 Zone Area	4	0	4
<b>TOTAL</b>	<b>155</b>	<b>63</b>	<b>92</b>

TABLE C.4  
ZONES OF RESIDENCE FOR RESPONDENTS TO CITY-AND-COUNTY  
BUS ON-BOARD SURVEY

<u>Zone of Residence</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
1	14	7	7
14	10	2	8
15	16	12	4
21	5	1	4
23	9	9	0
27	6	5	1
42	7	0	7
Other zones			
Within 46-Zone			
Area	44	15	29
Outside 46 Zone			
Area	21	3	18
No Response	23	9	14
TOTAL	155	63	92

TABLE C.5

HOUR WHEN TRIP STARTED FOR RESPONDENTS TO  
CITY-AND-COUNTY BUS ON-BOARD SURVEY

---

<u>Hour in Which Trip Started</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
7	12	0	12
8	4	0	4
9	15	7	8
10	10	5	5
11	20	4	16
12	14	9	5
13	25	10	15
14	24	12	12
15	26	12	14
16	3	3	0
21	2	1	1
TOTAL	155	63	92

---

TABLE C.6

TRIP PURPOSES FOR RESPONDENTS TO CITY-AND-  
COUNTY BUS ON-BOARD SURVEY

---

<u>Trip Purpose</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
Returning home	48	24	24
School related	20	3	17
Work related	41	18	23
Shopping	24	5	19
Medical-dentist	8	5	3
Personal business	5	4	1
Other, incl. social- recreational, to get to another means of travel, eat meal	9	4	5
TOTAL	155	63	92

---

TABLE C.7

ALTERNATE MODES OF VEHICULAR TRANSPORTATION  
PERCEIVED BY RESPONDENTS TO CITY-AND-COUNTY  
BUS ON-BOARD SURVEY

---

<u>What Other Vehicular Transportation is Available For Trip?</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
Auto-driver	35	20	15
Auto-passenger	30	15	15
Hitchhike	17	9	8
Taxi	31	15	16
County Bus	14	4	10
City Bus	34	16	18
Motorcycle	2	0	2
Bicycle	11	4	7
University Bus	13	10	3
None	43	11	32

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TABLE C.8

MAIN REASON FOR CHOOSING MODE OF TRANSPORTATION  
GIVEN BY RESPONDENTS TO CITY-AND-COUNTY BUS  
ON-BOARD SURVEY

---

<u>Reason for</u> <u>Choosing</u> <u>This Bus</u>	<u>All</u> <u>Respondents</u>	<u>City</u> <u>Bus</u>	<u>County</u> <u>Bus</u>
Convenience	72	36	36
Low Cost	17	4	13
No other vehicle tran- sportation available	48	18	30
Respondent does not drive	8	2	6
Other, incl. speed, safety	9	3	6
No Response	1	0	1
TOTAL	155	63	92

---



TABLE C.9

AUTO OWNERSHIP FOR RESPONDENTS TO CITY-  
AND-COUNTY BUS ON-BOARD SURVEY

---

<u>Number of Autos Owned by Respondent and Spouse</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
0	73	23	50
1	50	25	25
2	24	10	14
3	6	4	2
4 or more	1	1	0
No response	1	0	1
<b>TOTAL</b>	<b>155</b>	<b>63</b>	<b>92</b>

---

TABLE C.10

AUTO AVAILABILITY FOR RESPONDENTS TO CITY-  
AND-COUNTY BUS ON-BOARD SURVEY

---

<u>Did Respondent Have Car Available for Trip?</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
Yes	49	20	29
No	105	43	62
No Response	1	0	1
TOTAL	155	63	92

---

TABLE C.11  
LICENSED DRIVERS AMONG RESPONDENTS TO CITY-  
 AND-COUNTY BUS ON-BOARD SURVEY

<u>Is Respondent a Licensed Driver?</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
Yes	86	37	49
No	69	26	43
TOTAL	155	63	92

TABLE C.12

MODE OF TRAVEL TO BUS FOR RESPONDENTS TO  
CITY-AND-COUNTY BUS ON-BOARD SURVEY

<u>Mode of Travel to Get to Bus</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
Walk	92	42	50
Auto-Passenger	26	10	16
County Bus	10	0	10
City Bus	14	9	5
Other, incl. auto(as driver), Uni- versity bus, motorcycle	13	2	11
TOTAL	155	63	92

TABLE C.13

MINUTES WAITED BUS STOP FOR RESPONDENT TO  
CITY-AND-COUNTY BUS ON-BOARD SURVEY

---

<u>Minutes Waited at Bus Stop for Bus</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
0-5 minutes	89	40	49
6-10 minutes	42	17	25
11-15 minutes	13	3	10
More than 15 minutes	11	3	8
<b>TOTAL</b>	<b>155</b>	<b>63</b>	<b>92</b>

---

TABLE C.14

SEX DISTRIBUTION OF RESPONDENTS TO CITY-AND-COUNTY BUS ON-BOARD SURVEY

---

<u>Sex</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
Female	116	52	64
Male	37	11	26
No Response	2	0	2

---

TOTAL	155	63	92
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TABLE C.15

AGE DISTRIBUTION OF RESPONDENTS TO CITY-AND-COUNTY BUS ON-BOARD SURVEY

---

<u>Age</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
14 years or under	1	0	1
15-19	45	17	28
20-24	26	11	15
25-34	13	6	7
35-44	8	7	1
45-54	24	11	13
55-64	19	7	12
65 or older	14	4	10
No response	5	0	5
TOTAL	155	63	92

---

TABLE C.16

MARTIAL STATUS OF RESPONDENTS TO CITY-AND-  
COUNTY BUS ON-BOARD SURVEY

---

<u>Marital Status</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
Married	52	29	23
Single	75	26	49
Widowed	14	5	9
Separated	2	0	2
Divorced	9	3	6
No response	3	0	3
<hr/>			
TOTAL	155	63	92

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TABLE C.17

OCCUPATIONS OF RESPONDENTS TO CITY-AND-COUNTY  
BUS ON-BOARD SURVEY

---

<u>Occupation</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
Housewife	26	14	12
Student	49	19	30
Professional	9	5	4
Clerical	12	8	4
Skilled, Semi- skilled	26	7	19
Not employed	14	5	9
Other, incl. miner, proprietor or manager, sales	15	3	12
No Response or Coding Error	4	2	2
TOTAL	155	63	92

---

TABLE C.18

FULLTIME WVU EMPLOYEES AMONG RESPONDENTS  
TO CITY-AND-COUNTY BUS ON-BOARD SURVEY

---

<u>Is Respondent a</u> <u>Full-Time WVU</u> <u>Employee?</u>	<u>All</u> <u>Respondents</u>	<u>City</u> <u>Bus</u>	<u>County</u> <u>Bus</u>
Yes	23	8	15
No	131	55	76
No Response	1	0	1
TOTAL	155	63	92

---

TABLE C.19

NUMBER OF PERSONS PER HOUSEHOLD FOR CITY-  
AND-COUNTY BUS ON-BOARD SURVEY

<u>Number of Persons in Household</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
1	51	13	38
2	48	22	26
3	25	11	14
4	13	7	6
5	13	7	6
6 or more	5	3	2
TOTAL	155	63	92

TABLE C.20

NUMBER OF EMPLOYED PERSONS PER HOUSEHOLD  
IN CITY-AND-COUNTY BUS ON-BOARD SURVEY

<u>Number of Employed Persons in Household *</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
0	52	14	38
1	64	30	34
2	30	15	15
3	7	4	3
4 or more	2	0	2
TOTAL	155	63	92

\* A person was counted as employed only if his occupation was reported as falling into one of the following categories: minter, professional, proprietor/manager, sales, clerical, skilled/semi-skilled worker, farmer/farm worker.

TABLE C.21

NUMBER OF WVU EMPLOYEES PER HOUSEHOLD  
IN CITY-AND-COUNTY BUS ON-BOARD SURVEY

<u>Number of WVU Employees in Household</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
0	112	40	72
1	39	21	18
2	4	2	2
TOTAL	155	63	92

TABLE C.22  
NUMBER OF LICENSED DRIVERS PER HOUSEHOLD  
FOR CITY-AND-COUNTY BUS ON-BOARD SURVEY

<u>Number of Licensed Drivers in Household</u>	<u>All Respondents</u>	<u>City Bus</u>	<u>County Bus</u>
0	34	10	24
1	47	12	35
2	54	30	24
3	15	9	6
4	3	2	1
5 or more	2	0	2
TOTAL	155	63	92

APPENDIX D

SELECTED FREQUENCY TABULATIONS FOR  
FACULTY/STAFF MAILBACK SURVEY

TABLE D.1

JOB FUNCTIONS FOR RESPONDENTS TO FACULTY/STAFF MAILBACK SURVEY

Job Function	All Respondents	Respondents Working at Main Campus *	Respondents Working at Evansdale **	Respondents Working at Medical Center	Respondents Working Elsewhere
Administrative	132	63	46	13	10
Teaching and/or Research	379	179	157	39	4
Research Only	28	5	19	4	0
Medical	36	0	0	36	0
Secretarial, Clerical	310	144	118	35	4
Maintenance	50	4	18	13	15
Other Not Listed Above	100	54	30	6	10
No Response or Error	2	1	0	1	0
TOTAL	1028	450	388	147	43

\* In the Appendix, "Main Campus", when appearing at the top of a column, is assumed to include the CBD.

\*\* In this Appendix, "Evansdale", when appearing at the top of a column, is assumed to include only the following: Coliseum, CAC, Engineering, Agriculture, Forestry, and Towers.



TABLE D.2

WORK LOCATIONS FOR RESPONDENTS TO FACULTY/STAFF MAILBACK SURVEY

Work Location	All Respondents	Teachers and Researchers	Medicals	Personnel Other than Teachers Researchers, Medicals
Respondent's Home	1	1	0	0
CBD	8	2	0	6
Main Campus	442	182	0	260
Engr., Agr., CAC	219	108	0	111
Coliseum	68	15	0	53
Towers, Forestry	101	53	0	48
Medical Center	147	43	36	68
Other Not Listed Above	40	3	0	37
No Response	2	0	0	2
TOTAL	1028	407	36	585

TABLE D.3

## ZONES OF RESIDENCE BY WORK LOCATION FOR RESPONDENTS TO FACULTY/STAFF

Zone in Which Respondent Lives	All Respondents	MAILBACK SURVEY			
		Respondents Working at Main Campus	Respondents Working at Evansdale	Respondents Working at Medical Center	Respondents Working Elsewhere
1	11	4	4	3	0
3	13	10	2	1	0
4	10	7	3	0	0
7	18	8	7	2	1
10	18	8	9	1	0
13	10	5	5	0	0
14	36	9	16	11	0
15	158	59	66	27	6
17	10	2	4	4	0
19	6	3	1	2	0
21	47	23	16	6	2
23	16	7	9	0	0
24	26	5	14	2	5
25	40	23	10	4	3
26	30	10	15	5	0
27	101	53	38	6	4
29	40	22	16	2	0
31	18	8	6	4	0
32	48	24	18	5	1
33	29	7	15	5	2
34	16	5	5	4	2
35	8	2	2	3	1
36	30	9	11	10	0
37	14	9	4	1	0
38	14	5	3	5	1
41	16	10	2	4	0
42	84	39	36	6	3
46	6	3	2	1	0
Other Zones					
Within 46-Zone	28	14	11	1	2
Outside 46-Zone					
Area	121	52	38	21	10
No Response or Error	6	5	0	1	0
TOTAL	1028	450	388	147	43

TABLE D.4

## ZONES OF RESIDENCE BY JOB FUNCTION FOR RESPONDENTS TO FACULTY/STAFF MAILBACK SURVEY

Zone in which Respondent Lives	All Respondents	Teachers and Researchers		Medicals		Personnel Other than Teachers, Researchers, Medicals	
		Teachers and Researchers	Medicals	Medicals	Personnel Other than Teachers, Researchers, Medicals		
1	11	4	0	0	7		
3	13	7	0	0	6		
4	10	3	0	0	7		
7	18	9	0	0	9		
10	18	8	0	0	10		
13	10	8	0	0	2		
14	36	13	1	1	22		
15	158	74	11	11	73		
17	10	4	0	0	6		
19	6	3	0	0	3		
21	47	21	1	1	25		
23	16	6	0	0	10		
24	26	14	1	1	11		
25	40	10	0	0	30		
26	30	13	0	0	17		
26	101	53	3	3	45		
29	40	13	0	0	27		
31	18	8	2	2	8		
32	48	13	2	2	33		
33	29	15	1	1	13		
34	16	5	2	2	9		
35	8	5	2	2	1		
36	30	18	2	2	10		
37	14	10	1	1	3		
38	14	6	1	1	7		
41	16	8	0	0	8		
42	84	19	2	2	63		
46	6	4	0	0	2		
Other Zones within '46 -Zone area	28	7	0	0	21		
Outside 46-Zone area	121	24	4	4	93		
No response	6	2	0	0	4		
TOTAL	1028	407	36	36	585		

TABLE D.5  
NUMBER OF TRIPS BY WORK LOCATION FOR RESPONDENT TO  
FACULTY/STAFF MAILBACK SURVEY

Number of Trips	All Respondents	Respondents Working at			Respondents Working at	
		Main Campus	Evansdale	Medical Center	Elsewhere	
0	13	9	3	1	0	
1	12	2	8	2	0	
2	455	237	126	76	16	
3	109	50	39	16	4	
4	241	84	115	30	13	
5	110	43	48	15	4	
6	65	20	34	6	5	
7	13	3	9	0	1	
8	7	2	4	0	1	
9	3	0	2	1	0	
TOTAL	1028	450	388	147	43	

TABLE D.6  
 NUMBER OF TRIPS BY JOB FUNCTION FOR RESPONDENTS TO FACULTY/STAFF MAILBACK SURVEY

Number of Trips	All Respondents	Teachers and Researchers	Medicals	Personnel Other than Teachers, Researchers, Medicals
0	13	9	0	4
1	12	4	0	8
2	455	155	20	280
3	109	43	6	60
4	241	108	6	127
5	110	47	3	60
6	65	28	1	36
7	13	8	0	5
8	7	3	0	4
9	3	2	0	1
TOTAL	1028	407	36	585

TABLE D.7

## ORIGINS BY WORK LOCATION OF TRIPS REPORTED IN FACULTY/STAFF MAILBACK SURVEY

Origin	All Respondents	Respondents Working at Main Campus	Respondents Working at Evansdale	Respondents Working at Medical Center	Respondents Working Elsewhere
Respondent's Home	1197	483	496	168	50
CBD	147	47	73	22	5
Main Campus	587	457	82	21	27
Engr., Agr., CAC	373	28	337	6	2
Coliseum	144	20	118	3	3
Towers, Forestry	161	11	138	9	3
Medical Center	209	16	19	169	5
Location Not Listed Above	230	57	89	24	60
No Response or Error	17	6	9	2	0
TOTAL	3065	1125	1361	424	155

(NOTE: Trip oriented tabulations reflect multiple trips per respondent.)

TABLE D.8

## ORIGINS BY JOB FUNCTION OF TRIPS REPORTED IN FACULTY/STAFF MAILBACK SURVEY

Origin	All Respondents	Teachers and Researchers	Medicals	Personnel Other than Teachers, Researchers, Medicals
Respondent's Home	1197	484	44	669
CBD	147	55	4	88
Main Campus	587	243	1	343
Engr., Agr., CAC	373	183	3	187
Coliseum	144	45	0	99
Towers, Forestry	161	81	1	79
Medical Center	209	62	36	111
Location Not Listed Above	230	86	6	138
No Response or Error	17	8	0	9
TOTAL	3065	1247	95	1723

TABLE D.9

## ORIGINS BY MODE REPORTED TO FACULTY/STAFF MAILBACK SURVEY

Origin	All Trips	Private		
		Auto Trips	Bus Trips	Trips By Other Modes
Respondent's Home	1197	1134	40	23
CBD	147	137	7	3
Main Campus	587	511	57	19
Engr., Agr., CAC	373	343	22	8
Coliseum	144	133	9	2
Towers, Forestry	161	136	22	3
Medical Center	209	200	6	3
Location Not Listed Above	230	221	2	7
No Response or Error	17	10	0	7
TOTAL	3065	2825	165	75



TABLE D.10

## DESTINATIONS BY WORK LOCATION OF TRIPS REPORTED IN FACULTY/STAFF MAILBACK SURVEY

Destination	All Respondents	Respondents Working at Main Campus	Respondents Working at Evansdale	Respondents Working at Medical Center	Respondents Working Elsewhere
Respondent's Home	1045	421	428	152	44
CBD	221	73	104	38	6
Main Campus	589	449	99	17	24
Engr., Agr., CAC	388	36	341	7	4
Coliseum	148	24	116	5	3
Towers, Forestry	162	16	133	10	3
Medical Center	212	19	24	164	5
Location Not Listed Above	283	79	107	31	66
No Response or Error	17	8	9	0	0
TOTAL	3065	1125	1361	424	155

TABLE D.11

## DESTINATIONS BY JOB FUNCTION OF TRIPS REPORTED IN FACULTY/STAFF MAILBACK SURVEY

Destination	All Respondents	Teachers and Researchers	Medicals	Personnel Other than Teachers, Researchers, Medicals
Respondent's Home	1045	428	34	583
CBD	221	88	8	125
Main Campus	589	239	2	348
Engr., Arg., CAC	388	191	3	194
Coliseum	148	45	1	102
Towers, Forestry	162	82	1	79
Medical Center	212	62	37	113
Location Not Listed Above	283	104	9	170
No Response or Error	17	8	0	9
TOTAL	3065	1247	95	1723

TABLE D.12

## DESTINATIONS BY MODE OF TRIPS REPORTED IN FACULTY/STAFF MAILBACK SURVEY

Destination	All Trips	Private Auto Trips	Bus Trips	Trips by Other Modes
Respondent's Home	1045	988	38	19
CBD	221	211	6	4
Main Campus	589	520	50	19
Engr., Agr., CAC	388	353	28	7
Coliseum	148	135	10	3
Towers, Forestry	162	135	21	6
Medical Center	212	200	9	3
Location Not Listed Above	282	273	3	7
No Response or Error	17	10	0	7
TOTAL	3065	2825	165	75

TABLE D.13  
 HOUR OF START OF TRIP BY WORK LOCATION FOR FACULTY/STAFF MAILBACK SURVEY

Hour in Which Trip Started	All Respondents	Respondents			Respondents		
		Working at Main Campus	Working at Evansdale	Working at Medical Center	Working Elsewhere	Working Elsewhere	Working Elsewhere
1	6	4	2	0	0	0	
2	5	4	1	0	0	0	
3	3	0	2	0	1	0	
4	3	3	0	0	0	0	
5	11	3	3	5	0	0	
6	51	14	15	13	9	9	
7	339	158	109	52	20	20	
8	436	154	199	69	14	14	
9	111	42	53	8	8	8	
10	68	16	42	4	6	6	
11	105	21	63	13	8	8	
12	342	76	203	40	23	23	
13	195	43	118	21	13	13	
14	75	36	27	8	4	4	
15	136	44	63	16	13	13	
16	159	81	57	19	2	2	
17	618	252	245	97	24	24	
18	118	44	45	27	2	2	
19	79	35	33	10	1	1	
20	36	16	14	6	0	0	
21	39	22	15	2	0	0	
22	32	12	14	5	1	1	
23	17	9	7	1	0	0	
No Response or Error	81	36	31	8	6	6	
TOTAL	3065	1125	1361	424	155	155	

\*If a respondent reported his first trip as starting at 9:45 a.m. and his second trip as starting at 1:20 p.m., the first trip is included opposite hour 9 and the second trip is included opposite hour 13.

TABLE D.14

HOUR OF START OF TRIP BY JOB FUNCTION FOR FACULTY/STAFF MAILBACK SURVEY

Hour in which trip started	All Respondents	Teachers and Researchers		Medicals	Personnel Other than Teachers, Researchers, Medicals	
		Teachers and Researchers	Medicals		Personnel Other than Teachers, Researchers, Medicals	Personnel Other than Teachers, Researchers, Medicals
1	6	2	0	0	4	4
2	5	1	0	0	4	4
3	3	0	0	0	3	3
4	3	1	0	0	2	2
5	11	3	1	1	7	7
6	51	6	1	1	44	44
7	339	105	14	14	220	220
8	436	184	19	19	233	233
9	111	57	1	1	53	53
10	68	34	1	1	33	33
11	105	58	3	3	44	44
12	342	114	3	3	225	225
13	195	89	4	4	102	102
14	75	38	1	1	36	36
15	136	57	2	2	77	77
16	159	94	8	8	57	57
17	618	216	17	17	385	385
18	118	60	10	10	48	48
19	79	37	4	4	38	38
20	36	14	3	3	19	19
21	39	16	0	0	23	23
22	32	17	2	2	13	13
23	17	9	0	0	8	8
No response or Error	81	35	1	1	45	45
TOTAL	3065	1247	95	95	1723	1723

TABLE D.15  
HOUR OF START OF TRIP BY MODE FOR FACULTY/STAFF MAILBACK SURVEY

Hours in Which Trip Started	All Trips	Private Auto Trips	Bus Trips	Trips by Other Modes
1	6	6	0	0
2	5	3	1	1
3	3	2	0	1
4	3	2	0	1
5	11	11	0	0
6	51	50	0	0
7	339	323	1	4
8	436	407	12	10
9	111	93	19	3
10	68	60	15	3
11	105	87	5	3
12	342	319	15	5
13	195	174	18	7
14	75	68	14	3
15	136	119	4	5
16	159	131	12	6
17	618	589	22	9
18	118	118	20	0
19	79	77	0	1
20	36	35	1	1
21	39	37	0	2
22	32	31	0	0
23	17	16	1	0
No Response or Error	81	67	1	10
TOTAL	3065	2825	165	75

TABLE D.16

## PURPOSE BY WORK LOCATION OF TRIPS REPORTED IN FACULTY/STAFF MAILBACK SURVEY

Purpose	All Respondents	Respondents Working at Main Campus	Respondents Working at Evansdale	Respondents Working at Medical Center	Respondents Working Elsewhere
Returning home	951	392	390	136	33
Work related	1459	518	656	191	94
Shopping	79	33	36	10	0
Eat meal	177	38	104	20	15
Personal business	182	59	87	28	8
Medical-dental	42	15	22	3	2
Social-recreational	84	36	35	12	1
Other purpose not listed above	53	17	15	20	1
No response	38	17	16	4	0
TOTAL	3065	1125	1361	424	155

TABLE D.17  
PURPOSE BY JOB FUNCTION OF TRIPS REPORTED IN FACULTY/STAFF MAILBACK SURVEY

Purpose	All Respondents	Teachers and Researchers	Medicals	Personnel other than Teachers, Researchers Medicals
Returning home	951	381	31	539
Work related	1459	595	45	819
Shopping	79	32	2	45
Eat meal	177	68	1	108
Personal business	182	85	9	88
Medical-dental	42	19	1	22
Social recreational	84	37	3	44
Other purpose not listed above	53	18	2	33
No response	38	12	1	25
TOTAL	3065	1247	95	1723



TABLE D.18

## PURPOSE BY MODE OF TRIPS REPORTED IN FACULTY/STAFF MAILBACK SURVEY

Purpose	All Trips	Private			Trips by Other Modes
		Auto Trips	Bus Trips		
Returning Home	951	888	48		15
Work related	1459	1343	84		33
Shopping	79	77	1		1
Eat meal	177	167	7		3
Personal Business	182	170	7		5
Medical-dental	42	36	3		3
Social-recreational	84	76	5		3
Other purpose not listed above	53	46	7		0
No response	38	23	3		15
TOTAL	3065	2825	165		75

TABLE D.19  
 MODE BY WORK LOCATION OF TRIPS REPORTED IN FACULTY/STAFF MAILBACK SURVEY

Mode	All Respondents	Respondents Working at Main Campus	Respondents Working at Evansdale	Respondents Working at Medical Center	Respondents Working Elsewhere
Auto-driver	2377	796	1079	367	135
Auto-passenger	448	208	180	46	14
City or County bus	46	35	8	3	0
University bus	119	49	63	7	0
Taxi	17	7	6	0	4
Motorcycle	34	15	16	1	2
bicycle	10	9	1	0	0
No Response	14	6	8	0	0
<b>TOTAL</b>	<b>3065</b>	<b>1125</b>	<b>1361</b>	<b>424</b>	<b>155</b>

TABLE D.20

## MODE BY JOB FUNCTION OF TRIPS REPORTED IN FACULTY/STAFF MAILBACK SURVEY

Mode	All Respondents	Teachers and Researchers	Medicals	Personnel Other than Teachers, Researchers, Medicals
Auto-driver	2377	1016	90	1271
Auto-passenger	448	116	4	328
City or county bus	46	25	0	21
University bus	119	57	0	62
Taxi	17	0	0	17
Motorcycle	34	22	1	11
Bicycle	10	4	0	6
No response	14	7	0	7
TOTAL	3065	1247	95	1723

TABLE D.21

## PARKING BY WORK LOCATION FOR AUTO TRIPS REPORTED IN FACULTY/STAFF MAILBACK SURVEY

Parking	All Auto Trips	Respondents Working at Main Campus	Respondents Working at Evansdale	Respondents Working at Med Center	Respondents Working Elsewhere
University lot	1272	381	610	196	85
On street - metered	58	15	34	5	4
On street - unmetered	227	98	85	35	9
Private paid lot	158	65	57	28	8
Off street - metered lot	81	15	53	12	1
Other not listed above	810	300	367	112	40
No response or error	210	130	53	25	2
TOTAL	2825	1004	1259	413	149

TABLE D.22  
 PARKING BY JOB FUNCTION FOR AUTO TRIPS REPORTED IN FACULTY/STAFF MAILBACK SURVEY

Parking	All Auto Trips	Teachers and Researchers	Medicals	Personnel Other Than Teachers, Researchers, Medicals
University lot	1272	524	47	701
On street - metered	58	25	0	33
On street - nonmetered	227	94	3	130
Private paid lot	158	51	6	101
Off-street-metered lot	81	28	3	50
Other not listed above	819	241	31	447
No response or error	210	69	4	137
TOTAL	2825	1132	94	1599

TABLE D.23

AUTO AVAILABILITY BY WORK LOCATION FOR BUS TRIPS REPORTED IN FACULTY/STAFF MAILBACK SURVEY

Was auto available for trip?	All Bus Trips	Respondents			Respondents		Respondents	
		Working Main Campus	Working at Evansdale	Working at Medical Center	Working Elsewhere	Working Elsewhere	Working Elsewhere	
Yes	66	34	26	6	0	0	0	
No	69	31	34	4	0	0	0	
Not Applicable	22	11	11	0	0	0	0	
No Response or Error	8	8	0	0	0	0	0	
TOTAL	165	84	71	10	0	0	0	

TABLE D.24  
AUTO AVAILABILITY BY JOB FUNCTION FOR BUS TRIPS REPORTED IN FACULTY/STAFF MAILBACK SURVEY

Was auto available for trip?	All Bus Trips	Teachers and Researchers	Medicals	Personnel Other Than Teachers, Researchers, Medicals
Yes	66	40	0	26
No	69	30	0	39
Not Applicable	22	10	0	12
No Response or Error	8	2	0	6
TOTAL	165	82	0	83

APPENDIX E  
REPORT OF INVENTIONS



This contract did not produce any inventions, innovations, or improvements; and none are reported herein. The contractor, West Virginia University, was required to collect survey and field data according to a specified research design. Therefore, it is not within this contract's scope of work to produce any inventions, innovations, or improvements.



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