BACKGROUND INFORMATION

Q1. From the following options, please select the *one* that best describes your relationship with Virginia Tech

Response Options	N	%
1. Faculty	895	11%
2. Staff	1291	16%
3. Graduate Student	648	8%
4. Undergraduate Resident	1431	18%
5. Undergraduate Commuter	3770	47%
Totals	8035	100%

Q2. What type of parking permit do you currently use?

Response Options	N	%
1. Faculty/Staff	2093	26%
2. Commuter	3706	46%
3. Graduate Student	574	7%
4. Resident	1261	16%
5. N/A (I don't have a permit)	400	5%
Totals	8034	100%

Q3. What is your MOST FREQUENT means of transportation to/from campus?

Response Options	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Car – single occupant	633	*44%*	2323	*62%*	460	*71%*	1116	*87%*	784	*88%*
2. Car – carpool	299	*21%*	733	*19%*	55	*8%*	135	*10%*	53	*6%*
3. Blacksburg Transit (BT) Bus	126	*9%*	456	*12%*	59	*9%*	14	*1%*	9	*1%*
4. Bicycle	35	*2%*	69	*2%*	30	*5%*	7	*1%*	21	*2%*
5. Walk	332	*23%*	166	*4%*	41	*6%*	13	*1%*	25	*3%*
6. Motorcycle	1	*0%*	17	*0%*	1	*0%*	1	*0%*	0	*0%*
7. Other	4	*0%*	4	*0%*	2	*0%*	4	*0%*	1	*0%*
Totals	1430	*100%*	3768	*100%*	648	*100%*	1290	*100%*	893	*100%*

Q4. What is your SECOND most frequent means of transportation to/from campus?

Response Options	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Car – single occupant	320	*22%*	807	*21%*	137	*21%*	297	*23%*	140	*16%*
2. Car – carpool	350	*24%*	1186	*32%*	116	*18%*	200	*16%*	115	*13%*
3. Blacksburg Transit (BT) Bus	306	*21%*	984	*26%*	145	*22%*	52	*4%*	66	*7%*
4. Bicycle	67	*5%*	180	*5%*	55	*9%*	22	*2%*	57	*6%*
5. Walk	223	*16%*	244	*6%*	58	*9%*	60	*5%*	89	*10%*
6. Motorcycle	5	*0%*	23	*1%*	7	*1%*	9	*1%*	10	*1%*
7. None, always use method in #3	148	*10%*	331	*9%*	126	*19%*	635	*49%*	410	*46%*
8. Other	10	*1%*	10	*0%*	3	*0%*	14	*1%*	4	*0%*
Totals	1429	*100%*	3765	*100%*	647	*100%*	1289	*100%*	891	*100%*

Q5. Where on campus do you work, or spend the majority of your time?

Response Options	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. A residence hall	898	*63%*	38	*1%*	32	*5%*	5	*0%*	9	*1%*
2. Vet Med area (Region 2)	11	*1%*	26	*1%*	34	*5%*	62	*5%*	45	*5%*
3. North Drillfield area (Region 3)	103	*7%*	2033	*54%*	312	*48%*	307	*25%*	336	*38%*
4. Upper Quad area (Region 4)	104	*7%*	115	*3%*	34	*5%*	73	*6%*	77	*9%*
5. Library-Squires area (Region 5)	38	*3%*	264	*7%*	49	*8%*	145	*12%*	70	*8%*
6. South Drillfield area (Region 6)	173	*12%*	328	*9%*	89	*14%*	213	*17%*	172	*20%*
7. Wallace-Litton Reaves area (Region 7)	35	*2%*	468	*12%*	54	*8%*	92	*7%*	98	*11%*
8. Southgate-Stadium area (Region 8)	16	*1%*	53	*1%*	6	*1%*	227	*18%*	40	*5%*
9. Off-campus leased space	13	*1%*	300	*8%*	15	*2%*	101	*8%*	28	*3%*
10. Other	38	*3%*	133	*4%*	20	*3%*	16	*1%*	1	*0%*
Totals	1429	*100%*	3758	*100%*	645	*100%*	1241	*100%*	876	*100%*

Q6. How far do you live from the edge of campus?

Response Options	Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%
1. Less than ½ mile	323	*9%*	46	*7%*	20	*2%*	29	*3%*
2. Between ½ and 1 mile	827	*22%*	102	*16%*	58	*5%*	61	*7%*
3. Between 1 and 2 miles	1373	*37%*	173	*27%*	115	*9%*	164	*18%*
4. Between 2 and 5 miles	978	*26%*	170	*26%*	234	*18%*	297	*33%*
5. Between 5 and 10 miles	118	*3%*	51	*8%*	270	*21%*	188	*21%*
6. More than 10 miles	120	*3%*	70	*11%*	588	*46%*	148	*17%*
7. Live on campus	19	*1%*	34	*5%*	2	*0%*	7	*1%*
Totals	3758	*100%*	646	*100%*	1287	*100%*	894	*100%*

Q7. How far do you live from the nearest Blacksburg Transit (BT) stop?

Response Options	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. 1 block	665	*47%*	2143	*57%*	269	*42%*	133	*10%*	115	*13%*
2. 2 blocks	235	*16%*	696	*18%*	84	*13%*	62	*5%*	78	*9%*
3. 3 blocks	96	*7%*	311	*8%*	55	*9%*	33	*3%*	59	*7%*
4. Between 3 and 4 blocks	54	*4%*	176	*5%*	41	*6%*	58	*4%*	70	*8%*
5. More than 4 blocks	6	*0%*	167	*4%*	59	*9%*	154	*12%*	235	*26%*
6. N/A – I do not live in Blacksburg	31	*2%*	154	*4%*	90	*14%*	804	*62%*	291	*33%*
7. I don't know	343	*24%*	120	*3%*	49	*8%*	46	*4%*	46	*5%*
Totals	1430	*100%*	3767	*100%*	647	*100%*	1290	*100%*	894	*100%*

Q8. How many hours do you normally spend on campus during a typical work/school day?

Response Options	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. 1 hour or less	13	*1%*	34	*1%*	5	*1%*	65	*5%*	11	*1%*
2. Between 1 and 2 hours	18	*1%*	68	*2%*	17	*3%*	9	*1%*	1	*0%*
3. Between 2 and 4 hours	57	*4%*	1021	*27%*	86	*13%*	12	*1%*	9	*1%*
4. Between 4 and 6 hours	103	*7%*	1693	*45%*	133	*21%*	26	*2%*	48	*5%*
5. Between 6 and 8 hours	72	*5%*	675	*18%*	199	*31%*	281	*22%*	213	*24%*
6. More than 8 hours	1150	*81%*	268	*7%*	208	*32%*	890	*69%*	610	*68%*
Totals	1413	*100%*	3759	*100%*	648	*100%*	1283	*100%*	894	*100%*

Q9. From the time you leave home, how long does it typically take you to travel to the edge of campus?

Response Options	Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%
1. Less than 1 minute	65	*2%*	17	*3%*	7	*1%*	9	*1%*
2. Between 1 and 2 minutes	358	*10%*	37	*6%*	21	*2%*	27	*3%*
3. Between 2 and 5 minutes	1577	*42%*	161	*25%*	124	*10%*	145	*16%*
4. Between 5 and 10 minutes	1217	*32%*	220	*34%*	224	*17%*	310	*35%*
5. Between 10 and 20 minutes	375	*10%*	116	*18%*	334	*26%*	251	*28%*
6. Between 20 and 30 minutes	81	*2%*	32	*5%*	322	*25%*	81	*9%*
7. More than 30 minutes	59	*2%*	38	*6%*	239	*19%*	61	*7%*
8. N/A – I usually don't drive to campus	28	*1%*	23	*4%*	16	*1%*	9	*1%*
Totals	3760	*100%*	644	*100%*	1287	*100%*	893	*100%*

Q10. How long does it typically take you to find a parking space if you arrive on campus between 6:00 a.m. and 10:00 a.m.?

Response Options	Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%
1. Less than 1 minute	203	*5%*	81	*13%*	454	*35%*	322	*36%*
2. Between 1 and 2 minutes	320	*9%*	77	*12%*	203	*16%*	161	*18%*
3. Between 2 and 5 minutes	659	*18%*	111	*17%*	241	*19%*	165	*19%*
4. Between 5 and 10 minutes	1078	*29%*	137	*21%*	179	*14%*	144	*16%*
5. Between 10 and 20 minutes	887	*24%*	109	*17%*	100	*8%*	41	*5%*
6. Between 20 and 30 minutes	282	*7%*	35	*5%*	16	*1%*	13	*1%*
7. More than 30 minutes	107	*3%*	21	*3%*	15	*1%*	1	*0%*
8. N/A – I usually don't drive to campus	225	*6%*	72	*11%*	78	*6%*	43	*5%*
Totals	3761	*100%*	643	*100%*	1286	*100%*	890	*100%*

Q11. How long does it typically take you to find a parking space if you arrive on campus between 10:00 a.m. and 3:00 p.m.?

Response Options	Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%
1. Less than 1 minute	40	*1%*	23	*4%*	127	*10%*	64	*7%*
2. Between 1 and 2 minutes	78	*2%*	33	*5%*	118	*9%*	78	*9%*
3. Between 2 and 5 minutes	224	*6%*	50	*8%*	195	*15%*	189	*21%*
4. Between 5 and 10 minutes	609	*16%*	112	*17%*	256	*20%*	228	*26%*
5. Between 10 and 20 minutes	1224	*33%*	179	*28%*	295	*23%*	195	*22%*
6. Between 20 and 30 minutes	852	*23%*	97	*15%*	137	*11%*	60	*7%*
7. More than 30 minutes	487	*13%*	68	*11%*	84	*7%*	31	*3%*
8. N/A – I usually don't drive to campus	249	*7%*	80	*12%*	73	*6%*	44	*5%*
Totals	3763	*100%*	642	*100%*	1285	*100%*	889	*100%*

Q12. In general, how long does it take you to get from your parking space to you office, job, or class?

Response Options	Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%
1. Less than 1 minute	33	*1%*	15	*2%*	171	*13%*	106	*12%*
2. Between 1 and 2 minutes	86	*2%*	40	*6%*	250	*19%*	156	*17%*
3. Between 2 and 5 minutes	661	*18%*	185	*29%*	562	*44%*	403	*45%*
4. Between 5 and 10 minutes	1870	*50%*	237	*37%*	243	*19%*	180	*20%*
5. Between 10 and 20 minutes	885	*24%*	98	*15%*	21	*2%*	26	*3%*
6. Between 20 and 30 minutes	69	*2%*	12	*2%*	1	*0%*	1	*0%*
7. More than 30 minutes	18	*0%*	7	*1%*	2	*0%*	2	*0%*
8. N/A – I don't commute	143	*4%*	50	*8%*	39	*3%*	19	*2%*
Totals	3765	*100%*	644	*100%*	1289	*100%*	893	*100%*

Q13. How often do you use Blacksburg Transit (BT) to get to campus?

Response Options	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. None	716	*50%*	1150	*31%*	322	*50%*	1153	*89%*	714	*80%*
2. Once every 6 months	93	*7%*	455	*12%*	71	*11%*	77	*6%*	112	*13%*
3. Once every month	157	*11%*	593	*16%*	89	*14%*	26	*2%*	36	*4%*
4. Once a week	271	*19%*	610	*16%*	67	*10%*	15	*1%*	15	*2%*
5. Several times per week	184	*13%*	949	*25%*	96	*15%*	18	*1%*	15	*2%*
Totals	1421	*100%*	3757	*100%*	645	*100%*	1289	*100%*	892	*100%*

FUTURE ISSUES

Next we ask you to answer some questions about what you think should happen in the future at Virginia Tech regarding Transportation and Parking. But first, here are some background facts. At the present time, the ratio of parking spaces to permit holders is favorable when compared to most other Universities. Additionally, the cost of a parking permit at Virginia Tech is low compared to the cost at most other Universities. However, the total population on campus has grown somewhat in recent years, with no increase in available parking spaces. A number of new buildings have and are being built with no new parking. In some cases the new buildings actually cause a reduction in available parking spaces.

The population on campus is projected to increase in the next few years. While we cannot predict the future, it is quite reasonable to expect that there will be more people competing for the same number of parking spaces unless some action is taken. There is currently no available land near the main section of Campus that is suitable for new parking lots, unless significant green spaces were converted to parking.

Given the information above, the following potential options are presented for your consideration: Parking Garages, Satellite Parking, Designated Parking Lots, Car/Van Pooling, Enhanced Blacksburg Transit Service, and Enhanced Walking/Biking Trails.

PARKING GARAGES: One possible way to increase the number of available parking spaces on campus is to build one or more Parking Garages. At today's cost, a typical Parking Garage has about 500 spaces and costs about $7 Million. This means an annual debt service of between $500,000 and $700,000. Compare this to the current annual revenue from parking permits of about $700,000. Thus the total revenue would need to double if even one parking garage were constructed. Please consider this information and respond to the following questions:

Q14. Three locations have been studied for a possible Parking Garage. If a Garage were to be built, at which location would you prefer?

Response Options	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Stranger Street Lot	446	*31%*	2352	*63%*	375	*59%*	425	*34%*	311	*36%*
2. Schultz Dining Facility Lot	233	*16%*	399	*11%*	73	*11%*	145	*11%*	102	*12%*
3. Donaldson Brown Hotel Parking Lot	737	*52%*	979	*26%*	192	*30%*	692	*55%*	447	*52%*
Totals	1416	*100%*	3730	*100%*	640	*100%*	1262	*100%*	861	*100%*

Q 15. If a Parking Garage is built, how should it be paid for?

Response Options	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Spread the cost to the whole parking community by raising all parking permit fees (Permit cost could rise to $100-$120 to cover cost)	455	*32%*	1618	*44%*	186	*29%*	189	*15%*	180	*21%*
2. Only direct users of the Garage should pay costs (Daily rate could be as much as $3-$5. Permit holder would have to pay to use garage)	456	*32%*	964	*26%*	239	*37%*	652	*52%*	355	*41%*
3. Use a combination of both permit increase (possibly increase to $60 to $90) and daily fee for direct Garage users (possibly $2-$5)	499	*35%*	1118	*30%*	214	*33%*	396	*32%*	334	*38%*
Totals	1410	*100%*	3700	*100%*	639	*100%*	1237	*100%*	869	*100%*

Q 16. Parking Garage(s) should be built at Virginia Tech

Response Option	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	483	*34%*	1550	*41%*	210	*32%*	306	*24%*	203	*23%*
2. Agree	396	*28%*	1036	*28%*	163	*25%*	277	*21%*	187	*21%*
3. Slightly Agree	320	*22%*	659	*18%*	117	*18%*	294	*23%*	165	*19%*
4. Slightly Disagree	75	*5%*	193	*5%*	52	*8%*	96	*7%*	82	*9%*
5. Disagree	78	*5%*	171	*5%*	49	*8%*	132	*10%*	114	*13%*
6. Strongly Disagree	77	*5%*	151	*4%*	57	*9%*	185	*14%*	139	*16%*
Totals	1429	*100%*	3760	*100%*	648	*100%*	1290	*100%*	890	*100%*
Response Mean	2.37		2.16		2.60		3.02		3.15	
Response Standard Deviation	1.41		1.35		1.60		1.71		1.76	

SATELLITE PARKING (*Park & Ride)*: Another way to increase the availability of parking is to provide shuttle service from satellite parking lots (perhaps near the Stadium or the Airport). A typical scenario would be a shuttle that runs every 10 minutes during workdays from 7 a.m. to 6 p.m. and every 30 minutes on the off-hours, taking 15 minutes to reach most destinations on Campus. The annual operating expense for such a system might be $100,000, resulting in a $15 increase in permit cost. With a satellite parking system, while you would need to spend time on the shuttle, you would not need to spend time finding a parking space. Satellite Parking permits would likely be cheaper than regular campus parking permits.

Q 17. A Satellite Parking System should be created at Virginia Tech

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	263	*18%*	633	*17%*	142	*22%*	146	*11%*	113	*13%*
2. Agree	410	*29%*	818	*22%*	140	*22%*	259	*20%*	175	*20%*
3. Slightly Agree	398	*28%*	985	*26%*	161	*25%*	320	*25%*	200	*22%*
4. Slightly Disagree	142	*10%*	478	*13%*	55	*9%*	148	*12%*	110	*12%*
5. Disagree	97	*7%*	434	*12%*	67	*10%*	189	*15%*	130	*15%*
6. Strongly Disagree	118	*8%*	415	*11%*	82	*13%*	224	*17%*	162	*18%*
Totals	1428	*100%*	3763	*100%*	647	*100%*	1286	*100%*	890	*100%*
Response Mean	2.83		3.13		3.02		3.51		3.51	
Response Standard Deviation	1.45		1.57		1.65		1.64		1.67	

Q 18. I would be willing to use the Satellite Parking

Response Option	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	218	15%	465	12%	102	16%	85	7%	51	6%
2. Agree	396	28%	809	21%	136	21%	186	14%	100	11%
3. Slightly Agree	402	28%	932	25%	118	18%	215	17%	145	16%
4. Slightly Disagree	137	10%	471	13%	71	11%	151	12%	83	9%
5. Disagree	138	10%	541	14%	93	14%	248	19%	172	19%
6. Strongly Disagree	138	10%	548	15%	128	20%	402	31%	337	38%
Totals	1429	100%	3766	100%	648	100%	1287	100%	888	100%
Response Mean	3.00		3.39		3.46		4.16		4.39	
Response Standard Deviation	1.50		1.60		1.76		1.66		1.64	

DESIGNATED PARKING LOTS: Another option to increase parking availability is to designate specific permits for specific lots (*i.e.,* blue F/S lot, orange C/G lot, etc.). Virginia Tech would then only issue a specified number of permits for each designated area. The parking lots closest to central campus buildings would cost more than for those further out (*i.e.,* $120 for the closest lots and $30 for those further out).

Q 19. Designated Parking Lots for Faculty and Staff should be installed at Virginia Tech

Response Options	Staff		Faculty	
	N	%	N	%
1. Strongly Agree	240	19%	193	22%
2. Agree	195	15%	172	19%
3. Slightly Agree	212	16%	152	17%
4. Slightly Disagree	111	9%	74	8%
5. Disagree	208	16%	108	12%
6. Strongly Disagree	320	25%	193	22%
Totals	1286	100%	892	100%
Response Mean	3.63		3.35	
Response Standard Deviation	1.87		1.86	

PARKING GATES: Electronic Parking Gates could be installed on parking lots closest to central campus buildings to deny access to unauthorized users. Authorized users would activate the gate with the Hokie Passport or purchase an electronic sensor to automatically open the gate. The gates would increase the availability of spaces but may also create some congestion at the entrance to the parking lot.

Q 20. I would be willing to have Parking Gates installed on Faculty/Staff Lots

	Staff		Faculty	
	N	%	N	%
1. Strongly Agree	293	23%	265	30%
2. Agree	276	21%	198	22%
3. Slightly Agree	215	17%	120	13%
4. Slightly Disagree	108	8%	83	9%
5. Disagree	148	12%	94	11%
6. Strongly Disagree	246	19%	131	15%
Totals	1286	100%	891	100%
Response Mean	3.22		2.93	
Response Standard Deviation	1.84		1.80	

CAR/VAN POOLING: Another way to increase parking availability is to reduce parking demand. One method is to designate several parking lots for carpooling only (2 or more occupants). The Car/Van Pool Permit would be cheaper (~$20) than a regular permit and regular permits would cost more (~$10) to pay for the Parking Lot Attendant.

Q 21. Some existing parking lots should be converted to Car/Van Pool lots

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	156	11%	665	18%	114	18%	105	8%	77	9%
2. Agree	271	19%	830	22%	113	17%	222	17%	148	17%
3. Slightly Agree	388	27%	954	25%	153	24%	314	24%	211	24%
4. Slightly Disagree	253	18%	516	14%	84	13%	185	14%	114	13%
5. Disagree	203	14%	418	11%	101	16%	220	17%	158	18%
6. Strongly Disagree	158	11%	377	10%	83	13%	240	19%	180	20%
Totals	1429	100%	3760	100%	648	100%	1286	100%	888	100%
Response Mean	3.38		3.09		3.30		3.71		3.75	
Response Standard Deviation	1.49		1.55		1.64		1.58		1.62	

Q 22. I would use Car/Van Pool lots

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	161	*11%*	639	*17%*	75	*12%*	54	*4%*	29	*3%*
2. Agree	281	*20%*	895	*24%*	107	*17%*	100	*8%*	48	*5%*
3. Slightly Agree	317	*22%*	848	*23%*	127	*20%*	169	*13%*	82	*9%*
4. Slightly Disagree	245	*17%*	519	*14%*	90	*14%*	167	*13%*	118	*13%*
5. Disagree	225	*16%*	466	*12%*	126	*19%*	313	*24%*	205	*23%*
6. Strongly Disagree	197	*14%*	398	*11%*	123	*19%*	476	*37%*	402	*45%*
Totals	1426	*100%*	3765	*100%*	648	*100%*	1279	*100%*	884	*100%*
Response Mean	3.48		3.13		3.70		4.57		4.84	
Response Standard Deviation	1.57		1.58		1.66		1.50		1.40	

ENHANCED BT SERVICE FOR STUDENTS: Another option to reduce parking demand in student lots is to encourage students to use the BT busses. This could be achieved by using a dual strategy: 1) enhance service so that busses run at 15 minute intervals through major apartment complexes and 2) charge students who live closest to BT stops (within ½ mile), more for parking permits (double or triple the standard student fee). The cost of the permit would incrementally decrease for students who live further away from bus stops. In this way, students who truly have no other way to travel to campus would have greater access to parking spaces.

Q 23. I would be willing to use the BT if service was improved (more routes and 15 minute interval pick-ups)?

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	392	*28%*	1187	*32%*	179	*28%*	138	*11%*	110	*13%*
2. Agree	416	*29%*	894	*24%*	163	*25%*	155	*13%*	118	*14%*
3. Slightly Agree	355	*25%*	779	*21%*	114	*18%*	217	*18%*	127	*15%*
4. Slightly Disagree	109	*8%*	325	*9%*	53	*8%*	100	*8%*	99	*12%*
5. Disagree	73	*5%*	282	*8%*	63	*10%*	225	*19%*	120	*14%*
6. Strongly Disagree	78	*5%*	285	*8%*	74	*11%*	374	*31%*	255	*31%*
Totals	1423	*100%*	3752	*100%*	646	*100%*	1209	*100%*	829	*100%*
Response Mean	2.50		2.59		2.81		4.02		3.92	
Response Standard Deviation	1.39		1.55		1.68		1.78		1.81	

Q 24. Student Parking Permit cost should be based on access to BT bus stops

	Resident		Commuter		Graduate	
	N	%	N	%	N	%
1. Strongly Agree	106	*7%*	339	*9%*	95	*15%*
2. Agree	164	*12%*	324	*9%*	69	*11%*
3. Slightly Agree	293	*21%*	560	*15%*	81	*13%*
4. Slightly Disagree	275	*19%*	560	*15%*	70	*11%*
5. Disagree	238	*17%*	651	*17%*	117	*18%*
6. Strongly Disagree	346	*24%*	1323	*35%*	212	*33%*
Totals	1422	*100%*	3757	*100%*	644	*100%*
Response Mean	3.99		4.29		4.06	
Response Standard Deviation	1.57		1.68		1.84	

Q 25. I am very knowledgeable about BT services

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	124	*9%*	669	*18%*	117	*18%*	102	*8%*	66	*8%*
2. Agree	312	*22%*	1103	*29%*	170	*26%*	176	*14%*	156	*18%*
3. Slightly Agree	400	*28%*	979	*26%*	122	*19%*	236	*19%*	172	*20%*
4. Slightly Disagree	245	*17%*	471	*13%*	76	*12%*	185	*15%*	122	*14%*
5. Disagree	204	*14%*	330	*9%*	94	*15%*	255	*20%*	161	*19%*
6. Strongly Disagree	140	*10%*	208	*6%*	68	*11%*	301	*24%*	184	*21%*
Totals	1425	*100%*	3760	*100%*	647	*100%*	1255	*100%*	861	*100%*
Response Mean	3.36		1.63		3.10		3.97		3.82	
Response Standard Deviation	1.44		0.87		1.62		1.63		1.62	

ENHANCED WALKING AND BIKING: Another method of reducing parking demand is the increased use of walking and biking paths to and from campus. This would require the construction of additional paths on and off campus. Funds for this construction would come from a parking permit fee increase of $10-$15 and would take several years to construct.

Q 26. I would be willing to have more walking/biking paths constructed on campus (and pay a higher parking permit fee).

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	142	*10%*	311	*8%*	111	*17%*	108	*9%*	193	*22%*
2. Agree	173	*12%*	419	*11%*	97	*15%*	119	*9%*	178	*20%*
3. Slightly Agree	295	*21%*	685	*18%*	119	*18%*	167	*13%*	148	*17%*
4. Slightly Disagree	297	*21%*	713	*19%*	98	*15%*	156	*12%*	88	*10%*
5. Disagree	253	*18%*	802	*21%*	106	*16%*	241	*19%*	98	*11%*
6. Strongly Disagree	268	*19%*	828	*22%*	115	*18%*	478	*38%*	172	*20%*
Totals	1428	*100%*	3758	*100%*	646	*100%*	1269	*100%*	877	*100%*
Response Mean	3.81		4.00		3.52		4.37		3.27	
Response Standard Deviation	1.57		1.57		1.73		1.68		1.82	

Q 27. I would be willing to use improved walking/biking paths

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	254	*18%*	478	*13%*	148	*23%*	132	*10%*	167	*19%*
2. Agree	297	*21%*	626	*17%*	113	*17%*	148	*12%*	181	*21%*
3. Slightly Agree	392	*27%*	862	*23%*	135	*21%*	188	*15%*	183	*21%*
4. Slightly Disagree	205	*14%*	599	*16%*	59	*9%*	134	*11%*	80	*9%*
5. Disagree	147	*10%*	647	*17%*	100	*15%*	245	*19%*	97	*11%*
6. Strongly Disagree	133	*9%*	548	*15%*	91	*14%*	415	*33%*	166	*19%*
Totals	1428	*100%*	3760	*100%*	646	*100%*	1262	*100%*	874	*100%*
Response Mean	3.07		3.52		3.19		4.15		3.29	
Response Standard Deviation	1.52		1.60		1.74		1.75		1.77	

PARKING PHILOSOPHY

Now that you have considered the above information and thought about some of the possible changes in our future, please give us your opinion on the general philosophy that should be adopted regarding parking on campus.

Q 28. The proper philosophy should be to leave parking permits cheap, not increase the number of spaces to meet increasing demand, and let the situation take care of itself.

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	58	*4%*	114	*3%*	42	*7%*	72	*6%*	59	*7%*
2. Agree	95	*7%*	207	*6%*	41	*6%*	66	*5%*	58	*7%*
3. Slightly Agree	174	*12%*	393	*10%*	58	*9%*	124	*10%*	70	*8%*
4. Slightly Disagree	295	*21%*	566	*15%*	97	*15%*	219	*17%*	146	*16%*
5. Disagree	363	*26%*	943	*25%*	155	*24%*	326	*25%*	205	*23%*
6. Strongly Disagree	438	*31%*	1537	*41%*	252	*39%*	472	*37%*	349	*39%*
Totals	1423	*100%*	3760	*100%*	645	*100%*	1279	*100%*	887	*100%*
Response Mean	4.49		4.76		4.61		4.62		4.61	
Response Standard Deviation	1.41		1.38		1.54		1.47		1.54	

Q 29. The University should solve parking problems by raising the permit price until the demand drops to meet the supply. Additional revenues should be spent improving other transportation methods (BT, biking and walking paths, etc.)

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	94	*7%*	250	*7%*	52	*8%*	40	*3%*	65	*7%*
2. Agree	151	*11%*	412	*11%*	87	*13%*	82	*6%*	106	*12%*
3. Slightly Agree	294	*21%*	853	*23%*	144	*22%*	162	*13%*	166	*19%*
4. Slightly Disagree	323	*23%*	743	*20%*	100	*16%*	179	*14%*	153	*17%*
5. Disagree	261	*18%*	755	*20%*	123	*19%*	341	*27%*	158	*18%*
6. Strongly Disagree	301	*21%*	747	*20%*	139	*22%*	471	*37%*	240	*27%*
Totals	1424	*100%*	3760	*100%*	645	*100%*	1275	*100%*	888	*100%*
Response Mean	3.99		3.95		3.89		4.66		4.07	
Response Standard Deviation	1.50		1.50		1.59		1.41		1.61	

Q 30. The university should spend the money necessary to provide adequate parking for everyone and adjust permit costs accordingly.

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	318	*22%*	1009	*27%*	136	*21%*	179	*14%*	112	*13%*
2. Agree	425	*30%*	1135	*30%*	172	*27%*	230	*18%*	172	*19%*
3. Slightly Agree	401	*28%*	910	*24%*	159	*25%*	327	*26%*	215	*24%*
4. Slightly Disagree	157	*11%*	327	*9%*	63	*10%*	197	*15%*	142	*16%*
5. Disagree	58	*4%*	205	*5%*	60	*9%*	161	*13%*	121	*14%*
6. Strongly Disagree	63	*4%*	170	*5%*	57	*9%*	181	*14%*	121	*14%*
Totals	1422	*100%*	3756	*100%*	647	*100%*	1275	*100%*	883	*100%*
Response Mean	2.58		2.49		2.86		3.37		3.40	
Response Standard Deviation	1.30		1.35		1.53		1.59		1.58	

Q 31. The University should prorate the cost of parking permits to equate to salary amount. For example, an employee with a salary of $20,000 might pay $30 a year while an employee with a salary of $60,000 would pay $90.

	Staff		Faculty	
	N	%	N	%
1. Strongly Agree	538	*42%*	137	*15%*
2. Agree	224	*17%*	108	*12%*
3. Slightly Agree	148	*12%*	133	*15%*
4. Slightly Disagree	88	*7%*	88	*10%*
5. Disagree	93	*7%*	99	*11%*
6. Strongly Disagree	193	*15%*	325	*37%*
Totals	1284	*100%*	890	*100%*
Response Mean	2.65		3.99	
Response Standard Deviation	1.86		1.90	

Q 32. Before the university considers raising permit cost it should raise the cost of parking violations (tickets) to increase its revenues

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	158	*11%*	400	*11%*	95	*15%*	504	*39%*	304	*34%*
2. Agree	262	*18%*	571	*15%*	129	*20%*	319	*25%*	194	*22%*
3. Slightly Agree	315	*22%*	672	*18%*	126	*19%*	199	*15%*	169	*19%*
4. Slightly Disagree	199	*14%*	541	*14%*	76	*12%*	87	*7%*	80	*9%*
5. Disagree	181	*13%*	580	*15%*	82	*13%*	95	*7%*	60	*7%*
6. Strongly Disagree	314	*22%*	998	*27%*	140	*22%*	81	*6%*	83	*9%*
Totals	1429	*100%*	3762	*100%*	648	*100%*	1285	*100%*	890	*100%*
Response Mean	3.65		3.88		3.53		2.37		2.60	
Response Standard Deviation	1.68		1.72		1.76		1.53		1.62	

Q 33. Parking Garages, as presented in this survey, are a good option for improving parking conditions at Virginia Tech.

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	387	*27%*	1248	*33%*	167	*26%*	239	*19%*	176	*20%*
2. Agree	433	*30%*	1112	*30%*	167	*26%*	305	*24%*	198	*22%*
3. Slightly Agree	343	*24%*	770	*20%*	137	*21%*	339	*26%*	207	*23%*
4. Slightly Disagree	116	*8%*	273	*7%*	67	*10%*	131	*10%*	114	*13%*
5. Disagree	86	*6%*	199	*5%*	51	*8%*	113	*9%*	81	*9%*
6. Strongly Disagree	63	*4%*	155	*4%*	57	*9%*	158	*12%*	117	*13%*
Totals	1428	*100%*	3757	*100%*	646	*100%*	1285	*100%*	893	*100%*
Response Mean	2.49		2.34		2.75		3.04		3.09	
Response Standard Deviation	1.36		1.36		1.56		1.59		1.64	

Q 34. Satellite Parking, as presented in this survey, is a good option for improving parking conditions at Virginia Tech.

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	191	*13%*	445	*12%*	94	*15%*	118	*9%*	91	*10%*
2. Agree	360	*25%*	889	*24%*	169	*26%*	259	*20%*	190	*21%*
3. Slightly Agree	477	*33%*	1121	*30%*	166	*26%*	374	*29%*	248	*28%*
4. Slightly Disagree	202	*14%*	557	*15%*	83	*13%*	189	*15%*	132	*15%*
5. Disagree	118	*8%*	399	*11%*	58	*9%*	159	*12%*	102	*11%*
6. Strongly Disagree	80	*6%*	349	*9%*	77	*12%*	187	*15%*	127	*14%*
Totals	1428	*100%*	3760	*100%*	647	*100%*	1286	*100%*	890	*100%*
Response Mean	2.96		3.17		3.11		3.45		3.39	
Response Standard Deviation	1.33		1.45		1.55		1.52		1.54	

Q 35. Designated Faculty and Staff lots, as presented in this survey, are a good option for improving parking conditions at Virginia Tech.

	Staff		Faculty	
	N	%	N	%
1. Strongly Agree	202	*16%*	184	*21%*
2. Agree	340	*27%*	221	*25%*
3. Slightly Agree	319	*25%*	202	*23%*
4. Slightly Disagree	179	*14%*	125	*14%*
5. Disagree	115	*9%*	78	*9%*
6. Strongly Disagree	123	*10%*	77	*9%*
Totals	1278	*100%*	887	*100%*
Response Mean	3.03		2.91	
Response Standard Deviation	1.51		1.53	

Q 36. Parking lot gates, as presented in this survey, is a good option for improving parking conditions at Virginia Tech.

	Staff		Faculty	
	N	%	N	%
1. Strongly Agree	209	*16%*	198	*22%*
2. Agree	253	*20%*	185	*21%*
3. Slightly Agree	267	*21%*	153	*17%*
4. Slightly Disagree	147	*11%*	115	*13%*
5. Disagree	185	*14%*	104	*12%*
6. Strongly Disagree	223	*17%*	127	*14%*
Totals	1284	*100%*	882	*100%*
Response Mean	3.40		3.14	
Response Standard Deviation	1.72		1.73	

Q 37. Enhances BT service, as presented in this survey, is a good option for improving parking conditions at Virginia Tech.

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	252	*18%*	811	*22%*	167	*26%*	214	*17%*	188	*21%*
2. Agree	440	*31%*	1029	*27%*	198	*31%*	379	*30%*	300	*34%*
3. Slightly Agree	435	*31%*	1012	*27%*	152	*23%*	386	*30%*	253	*29%*
4. Slightly Disagree	175	*12%*	466	*12%*	58	*9%*	140	*11%*	77	*9%*
5. Disagree	81	*6%*	256	*7%*	41	*6%*	72	*6%*	36	*4%*
6. Strongly Disagree	42	*3%*	187	*5%*	32	*5%*	83	*7%*	33	*4%*
Totals	1425	*100%*	3761	*100%*	648	*100%*	1274	*100%*	887	*100%*
Response Mean	2.66		2.70		2.54		2.78		2.52	
Response Standard Deviation	1.23		1.38		1.38		1.36		1.24	

Q 38. Car/Van Pooling, as presented in this survey, is a good option for improving parking conditions at Virginia Tech.

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	169	*12%*	619	*16%*	87	*13%*	91	*7%*	57	*6%*
2. Agree	275	*19%*	890	*24%*	135	*21%*	232	*18%*	154	*17%*
3. Slightly Agree	450	*32%*	1117	*30%*	190	*29%*	418	*33%*	262	*30%*
4. Slightly Disagree	296	*21%*	549	*15%*	109	*17%*	235	*18%*	181	*20%*
5. Disagree	150	*11%*	348	*9%*	69	*11%*	161	*13%*	111	*13%*
6. Strongly Disagree	87	*6%*	237	*6%*	57	*9%*	147	*11%*	119	*13%*
Totals	1427	*100%*	3760	*100%*	647	*100%*	1284	*100%*	884	*100%*
Response Mean	3.17		2.95		3.17		3.45		3.56	
Response Standard Deviation	1.35		1.41		1.45		1.40		1.43	

Q 39. Enhanced Walking/Biking Paths, as presented in this survey, are a good option for improving parking conditions at Virginia Tech.

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	171	*12%*	364	*10%*	112	*17%*	116	*9%*	156	*18%*
2. Agree	245	*17%*	605	*16%*	128	*20%*	182	*14%*	202	*23%*
3. Slightly Agree	420	*29%*	980	*26%*	175	*27%*	327	*26%*	233	*26%*
4. Slightly Disagree	290	*20%*	795	*21%*	91	*14%*	260	*20%*	123	*14%*
5. Disagree	187	*13%*	611	*16%*	80	*12%*	200	*16%*	86	*10%*
6. Strongly Disagree	113	*8%*	405	*11%*	61	*9%*	196	*15%*	90	*10%*
Totals	1426	*100%*	3760	*100%*	647	*100%*	1281	*100%*	890	*100%*
Response Mean	3.29		3.51		3.13		3.65		3.06	
Response Standard Deviation	1.42		1.46		1.54		1.51		1.54	

THE CURRENT PARKING SITUATION

Q 40. I am satisfied with the current parking situation at Virginia Tech

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	61	*4%*	102	*3%*	29	*4%*	119	*9%*	116	*13%*
2. Agree	125	*9%*	239	*6%*	82	*13%*	243	*19%*	245	*28%*
3. Slightly Agree	306	*22%*	501	*13%*	108	*17%*	267	*21%*	152	*17%*
4. Slightly Disagree	320	*23%*	641	*17%*	100	*15%*	216	*17%*	152	*17%*
5. Disagree	294	*21%*	859	*23%*	143	*22%*	221	*17%*	107	*12%*
6. Strongly Disagree	315	*22%*	1417	*38%*	185	*29%*	213	*17%*	118	*13%*
Totals	1421	*100%*	3759	*100%*	647	*100%*	1279	*100%*	890	*100%*
Response Mean	4.13		4.64		4.24		3.64		3.27	
Response Standard Deviation	1.43		1.40		1.55		1.59		1.60	

Q 41. Parking rules should be enforced more frequently.

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	84	*6%*	283	*8%*	93	*14%*	589	*46%*	396	*45%*
2. Agree	175	*12%*	502	*13%*	125	*19%*	330	*26%*	224	*25%*
3. Slightly Agree	338	*24%*	900	*24%*	141	*22%*	215	*17%*	161	*18%*
4. Slightly Disagree	379	*27%*	927	*25%*	139	*22%*	75	*6%*	64	*7%*
5. Disagree	244	*17%*	628	*17%*	86	*13%*	37	*3%*	23	*3%*
6. Strongly Disagree	200	*14%*	516	*14%*	62	*10%*	27	*2%*	18	*2%*
Totals	1420	*100%*	3756	*100%*	646	*100%*	1273	*100%*	886	*100%*
Response Mean	3.79		3.71		3.29		2.00		2.04	
Response Standard Deviation	1.40		1.44		1.52		1.21		1.22	

Q 42. I spend too much time trying to find a place to park on campus.

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	391	*28%*	1839	*49%*	201	*31%*	186	*15%*	99	*11%*
2. Agree	344	*24%*	879	*23%*	152	*24%*	197	*15%*	99	*11%*
3. Slightly Agree	348	*25%*	608	*16%*	141	*22%*	298	*23%*	190	*21%*
4. Slightly Disagree	194	*14%*	222	*6%*	58	*9%*	223	*18%*	168	*19%*
5. Disagree	85	*6%*	123	*3%*	58	*9%*	227	*18%*	197	*22%*
6. Strongly Disagree	56	*4%*	79	*2%*	33	*5%*	141	*11%*	135	*15%*
Totals	1418	*100%*	3750	*100%*	643	*100%*	1272	*100%*	888	*100%*
Response Mean	2.58		1.97		2.56		3.42		3.75	
Response Standard Deviation	1.38		1.23		1.49		1.57		1.56	

Q 43. Parking rules are enforced fairly.

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	145	*10%*	348	*9%*	47	*7%*	111	*9%*	84	*10%*
2. Agree	343	*24%*	978	*26%*	198	*31%*	280	*22%*	267	*31%*
3. Slightly Agree	474	*33%*	1126	*30%*	191	*30%*	340	*27%*	259	*30%*
4. Slightly Disagree	196	*14%*	582	*16%*	91	*14%*	207	*16%*	120	*14%*
5. Disagree	149	*11%*	360	*10%*	72	*11%*	170	*13%*	68	*8%*
6. Strongly Disagree	111	*8%*	359	*10%*	45	*7%*	165	*13%*	66	*8%*
Totals	1418	*100%*	3753	*100%*	644	*100%*	1273	*100%*	864	*100%*
Response Mean	3.14		3.19		3.12		3.42		3.02	
Response Standard Deviation	1.38		1.41		1.34		1.50		1.36	

F/S LOTS AFTER BUSINESS HOURS: Currently, most F/S lots are available to all permit holders after 5:00 p.m. on weekdays, and at all times on the weekends. It is possible that this leads to difficulty for F/S permit holders who want to park in these lots after regular business hours. One possible change is to reserve some F/S spaces for F/S permit holders at all times.

Q 44. A few F/S spaces should be reserved for F/S permit holders at all times.

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. Strongly Agree	128	*9%*	251	*7%*	67	*10%*	456	*36%*	393	*44%*
2. Agree	249	*18%*	534	*14%*	94	*15%*	318	*25%*	169	*19%*
3. Slightly Agree	351	*25%*	693	*18%*	100	*16%*	213	*17%*	117	*13%*
4. Slightly Disagree	176	*12%*	478	*13%*	69	*11%*	103	*8%*	77	*9%*
5. Disagree	201	*14%*	508	*14%*	95	*15%*	79	*6%*	67	*8%*
6. Strongly Disagree	316	*22%*	1285	*34%*	219	*34%*	105	*8%*	62	*7%*
Totals	1421	*100%*	3749	*100%*	644	*100%*	1274	*100%*	885	*100%*
Response Mean	3.72		4.15		4.07		2.49		2.37	
Response Standard Deviation	1.65		1.69		1.78		1.58		1.61	

PARKING METERS:

Q 45. Do we currently have the right number of parking meters on campus?

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. There are too many parking meters now – those spaces should be converted to regular parking	287	*20%*	757	*20%*	80	*13%*	301	*24%*	93	*11%*
2. There are somewhat too many parking meters right now.	330	*23%*	687	*18%*	94	*15%*	283	*23%*	164	*19%*
3. We have the right number of parking meters right now.	489	*35%*	1198	*32%*	212	*33%*	495	*40%*	474	*55%*
4. There are somewhat too few parking meters now.	212	*15%*	795	*21%*	183	*29%*	135	*11%*	106	*12%*
5. There are far too few parking meters now – more regular spaces should be converted to parking meters.	91	*6%*	282	*8%*	71	*11%*	32	*3%*	23	*3%*
Totals	1409	*100%*	3719	*100%*	640	*100%*	1249	*100%*	860	*100%*
Response Mean	2.64		2.77		3.11		2.46		2.77	
Response Standard Deviation	1.15		1.21		1.17		1.06		0.90	

Q 46. At the present time, most parking meters have a limit of 45 minutes. This is done deliberately to discourage the use of meters for parking while attending a class, since parking meters are intended for short term parking only. What do you think is the proper maximum time allowed for a parking meter?

	Resident		Commuter		Graduate		Staff		Faculty	
	N	%	N	%	N	%	N	%	N	%
1. 30 minutes	65	*5%*	171	*5%*	45	*7%*	357	*29%*	188	*22%*
2. 45 minutes	294	*21%*	743	*20%*	201	*32%*	474	*39%*	427	*51%*
3. 60 minutes	453	*32%*	1298	*35%*	203	*32%*	260	*21%*	121	*14%*
4. 90 minutes	282	*20%*	733	*20%*	81	*13%*	59	*5%*	54	*6%*
5. 120 minutes	196	*14%*	600	*16%*	81	*13%*	50	*4%*	41	*5%*
6. 5 hours	108	*8%*	149	*4%*	22	*3%*	29	*2%*	9	*1%*
Totals	1398	*100%*	3694	*100%*	633	*100%*	1229	*100%*	840	*100%*
Response Mean	3.41		3.35		3.03		2.23		2.24	
Response Standard Deviation	1.30		1.21		1.25		1.18		1.09	

Multiple data files containing the manual and computerized survey results were imported into MS Excel where the data were combined, parsed, and analyzed using descriptive statistics. These results were then exported and formatted within MS Word.

Analyses performed by: Steven M. Belz