Appendix D1   Surveys: Cyclist Survey

15th Street Cyclist Survey Data

Completed Surveys: 186

When you received the postcard for this survey, where were you . . .	Work	School	Shopping, errands, personal business	Home	No particular destination, exercise	I don't remember	Other	Total		
Coming FROM on your bicycle	101	3	4	51	1	2	1	163		
Going TO on your bicycle	90	2	7	58	0	0	13	170		

Please indicate how often you ride a bicycle on 15th Street NW (between V Street and E Street)	Never	Less than 1 day per week	At least once a week but not daily	On 5 or more days per week	Don't Know / remember	Total		
Before the cycle track, traveling Northbound	111	30	22	17	14	194		
Since the cycle track, traveling Northbound	6	16	65	106	1	194		
Before the cycle track, traveling Southbound	137	23	10	10	13	193		
Since the cycle track, traveling Southbound	7	23	60	101	1	192		

	By bicycle, using this same route	By bicycle, using a different route	On foot	On public Transportation	By Car	Other		
Consider the trip you were making when you were handed this postcard. Prior to the cycle track, how would you have made this trip? (select all that apply)	41	103	34	68	9	9		

For the following questions, please compare your experience before and after the installation of the cycle track (only cyclists that rode on 15th before the cycle track)	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion		% Agree	Mean
I feel safer cycling on 15th Street because of the cycle track.	1	2	24	62	89	0		97%	3.65
The 15th Street cycle track has made cycling on 15th Street easier for me as a cyclist.	1	1	14	73	89	0		98%	3.79
The 15th Street cycle track has made cycling on 15th Street more convenient for me as a cyclist.	1	2	13	72	88	1		97%	3.77
Cyclists are generally better at following the rules of the road (on 15th Street) now	6	8	38	24	76	13		82%	3.05
While bicycling, I've noticed that motor vehicles on 15th Street seem more aware of cyclists.	3	8	44	25	80	9		86%	3.14
While bicycling, I've noticed that motor vehicles travel more slowly on 15th Street now.	12	23	17	6	58	31		40%	2.29
The 15th Street cycle track has resulted in a shorter trip time for me as a cyclist. Consider the most common origin and destination for a bicycle trip that brings you on this street.	4	16	31	27	78	11		74%	3.04

Indicate your level of agreement with the following statements regarding your thoughts on the 15th Street Cycle Track	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion		% Agree	Mean
The 15th Street cycle track has made cycling in and around Washington, DC safer for me as a cyclist.	2	5	31	153	191	2		96%	3.75
The 15th Street cycle track has made cycling in and around Washington, DC easier for me as a cyclist.	2	2	35	152	191	2		98%	3.76
The 15th street cycle track is a useful connection for me in getting places I want to go.	2	0	33	156	191	2		99%	3.80
The 15th Street cycle track has made cycling in and around Washington, DC more convenient for me as a cyclist.	2	2	38	146	188	4		98%	3.74
The 15th Street cycle track has resulted in a better environment for bicycling in Washington.	2	2	24	160	188	5		98%	3.82
I would go out of my way to ride on 15th Street as opposed to other streets.	6	8	76	100	190	1		93%	3.42
Taking 15th Street allows me to take a more direct bicycle route to my destination.	4	36	76	69	185	6		78%	3.14
When bicycling on 15th Street, I always ride in the cycle track	3	4	15	168	190	1		96%	3.83
The plastic flexposts between the parking/traffic lanes and the cycle track make me feel safer when riding in the cycle track.	3	3	57	123	186	5		97%	3.61
During the winter, snow is quickly removed from the cycle track	10	18	15	5	48	143		42%	2.31
Leaves and other debris in the cycle track are a regular problem	24	67	54	17	162	28		44%	2.40
When traveling Southbound (riding closest to the curb), I feel that the cycle track is wide enough	10	17	74	79	180	11		85%	3.23
When traveling Northbound (riding closest to parked vehicles), I feel that cycle track is wide enough	5	9	76	95	185	6		92%	3.41
The cycle track is wide enough for a fast cyclist to comfortably pass a slow cyclist.	10	37	84	57	188	2		75%	3.00
I like riding on the cycle track north of Massachusetts Avenue (more residential area)	1	3	39	123	166	24		98%	3.71
I like riding on the cycle track south of Massachusetts Avenue (downtown area).	2	17	60	85	164	25		88%	3.39

Please indicate how often you have observed the following to happen on your trips on the 15th Street cycle track:	Never	Rarely	On Most Trips	On Almost Every Trip	No Opinion	Total		
Passenger cars parked in the cycle track.	65	117	7	1	1	191		
Passenger cars loading and unloading in the cycle track.	34	122	30	4	1	191		
Delivery vehicles loading and unloading in the cycle track.	29	119	32	7	3	190		
Motor vehicles driving in the cycle track.	126	61	3		1	191		
Motor vehicles waiting in the cycle track to make right or left turns.	51	78	42	17	3	191		
Pedestrians walking in the cycle track	6	78	69	37	1	191		
Pedestrians waiting to cross 15th Street standing in the cycle track rather than on the sidewalk	3	52	83	52	1	191		
Too many cyclists trying to ride in the cycle track.	44	113	23	7	4	191		

While riding in the cycle track, have you ever had collisions or near misses with other users? Check all that apply	Collision	Near Miss						

15th Street Cyclist Survey Data

Another Bicyclist	3	58
A Pedestrian	8	106
A turning motor vehicle	5	104
A parking motor vehicle	3	21
A delivery truck	0	37
A non-moving object (specify)	5	15
Something else (specify)	3	10

Guiding Signal Selection (In the picture below, click on the traffic display that you would look at to know when it is your turn to proceed through the intersection. Assume that you are traveling in the direction the picture is taken)	Ped Signal	Left turn Arrow	MV Signal	Downstream MV signal
Picture 1 (Ped signal is correct)	148	14	40	0
Picture 2 (Ped signal is correct)	112	18	75	0

	At intersections, when cars have a green turn arrow and the pedestrian signal is red.	At intersections, when cars have a red turn arrow and the pedestrian signal is green.	At intersections, when cars have a green signal and the pedestrian signal is green.	At alley entrances.	At driveway entrances.	Never	Other (please explain)
When riding on the cycle track, when have you encountered motor vehicles turning in front of your path?	126	74	118	137	135	4	18

	Yes	No	Total
Do you remember seeing a sign reading "Watch for Turning Traffic" as a cyclist?	71	117	188

The section of the 15th Street Cycle Track shown in blue from E Street to New York Avenue has heavy tourist activity and T-intersections.	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	% Agree	Mean
Pedestrians in this area often step out in cycle track unexpectedly.	1	4	46	93	144	43	97%	3.60
I find that I really have to pay attention to pedestrians in this part of the route.	0	1	24	121	146	41	99%	3.82
I always yield to pedestrians in crosswalks when bicycling on this route.	3	13	72	61	149	38	89%	3.28
Cyclists should also stop when cars on 15th Street have a red signal.	25	29	45	43	142	45	62%	2.75

Intersection of 15th and Penn	Yes	No	Total
Below is a picture of the intersection of 15th Street and Pennsylvania Avenue, which is where the 15th Street cycle track connects to the Pennsylvania Avenue center bike lanes (see picture below, facing east). Have you ever ridden a bicycle through this intersection in this direction?	101	86	187

About your experiences on the intersection of 15th Street and Pennsylvania Avenue.	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	% Agree	Mean
When waiting to cross 15th Street as a cyclist, the bike signal is clearly visible.	9	24	36	18	87	11	62%	2.72
When the bike signal is green, I never encounter motor vehicles in the intersection.	15	27	26	9	77	20	45%	2.38
As a cyclist, I am able to make it through the intersection during the time the bike signal remains green.	1	12	36	34	83	14	84%	3.24
As a cyclist, I have adequate space to wait safely for the bike signal to turn green.	7	23	32	24	86	11	65%	2.85
The bike facilities at this intersection make up an important bicycle connection for getting place I want to go.	2	13	30	40	85	12	82%	3.27

The route shown in brown on the map connects the upper and lower sections of the of the 15th Street Cycle Track.	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	% Agree	Mean
I feel that the cycle track route from 15th Street through Lafayette Park to Vermont Ave is confusing	9	13	66	43	131	53	83%	3.09
The first time I navigated this route, I felt that the signing was adequate.	31	39	33	15	118	66	41%	2.27
The pedestrian activity in this area is not ideal for a bicycle route.	13	34	50	33	130	53	64%	2.79

Please indicate your level of agreement about the following statements	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No opinion	% Agree	Mean
I support public investment in bicycling facilities	1	1	8	176	186	0	99%	3.93
Most bicyclists disobey traffic laws and generally cause problems for drivers.	35	66	74	8	183	3	45%	2.30

	My bicycle is my main mode of transportation year-round	My bicycle is my main mode of transportation during good weather. I drive or take transit more when the weather is bad.	I bicycle regularly for transportation (e.g. to work, school, shopping, errands), but it's not my main mode.	I rarely bicycle for transportation (e.g. to work, school, shopping, errands)	I only bicycle for recreation or exercise, and not to get to places, such as work, school, shopping, errands, etc.	Total
Q55 Which of these statements best describes your bicycling travel habits? Please choose only one answer.	77	69	33	3	1	183

About how many years have you been bicycling regularly for transportation?	N/A I don't bicycle regularly for transportation	less than 1	1	2	3	4		Mean
	2	35	26	24	19	12		5.86

continued . . .	5	6	7	8	9	10+
	17	7	2	2	4	34

Please rate how comfortable you generally feel when bicycling in the following situations.	Very Uncomfortable	Somewhat Uncomfortable	Somewhat Comfortable	Very Comfortabl	Total
On a street with heavy traffic and no bike lane	63	80	28	14	185
On a street with heavy traffic with a bike lane	6	22	82	75	185
On a street with little traffic and no bike lane	8	17	91	69	185

15th Street Cyclist Survey Data

	I am not interested in any way and do not ride my bicycle on the streets	I am interested, but have concerns, so I never or rarely ride my bicycle on the streets	I am enthusiastic and confident while I ride by bicycle on the streets	I am strong and fearless while I ride my bicycle on the streets	Other	Total				
On a street with little traffic with a bike lane	5	0	20	160	185					
On a path or trail separate from the street	5	1	15	164	185					
Which of the following best describes how you feel about bicycling on streets in Washington D.C.?	0	9	144	14	18	185				

	Male	Female	Total							
What is your gender?	111	75	186							

	0-17	18-24	25-34	35-44	45-54	55-64	65+	Total		
What is your age?		22	96	39	20	7	2	186		

	No, not Hispanic or Latino/a	Yes, Hispanic or Latno/a	Total							
Do you consider yourself Hispanic or Latino/a?	174	9	183							

	White or Caucasian	Black or African American	American Indian or Alaska Native	Asian	Multiracial	Other	Total			
Do you consider yourself:	164	2	0	11	2	5	184			

Penn Ave Cyclist Survey Data

Completed Surveys: 165

When you received the postcard for this survey, where were you . . .	Work	School	Shopping, errands, personal business	Home	No particular destination, exercise	I don't remember	Other	Total		
Coming FROM on your bicycle	73	0	6	48	3		15	145		
Going TO on your bicycle	73	5	12	43	5		11	149		

Please indicate how often you ride a bicycle on Pennsylvania Avenue	Never	Less than 1 day per week	At least once a week but not daily	On 5 or more days per week	Don't Know / remember	Total				
Before the center bike lanes, traveling Eastbound (toward the Capitol)	111	26	13	13	4	167				
Since the center bike lanes, traveling Eastbound	4	22	55	87	0	168				
Before the center bike lanes, traveling Westbound (toward the White House)	109	23	16	15	4	167				
Since the center bike lanes, traveling Westbound	4	17	53	94	0	168				

	By bicycle, using this same route	By bicycle, using a different route	On foot	On public Transportation	By Car	Other				
Consider the trip you were making when you were handed this postcard. Prior to the Pennsylvania center bike lanes, how would you have made this trip? (select all that apply)	35	84	11	61	9	11				

Indicate your level of agreement with the following statements regarding your thoughts on the Pennsylvania Avenue center bike lanes (only cyclists that rode on 15th before the cycle track)	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No opinion			% Agree	Mean
I feel safer cycling on Pennsylvania Avenue because of the center bike lanes	3	3	18	38	62	0			90%	3.47
The center bike lanes have made cycling on Pennsylvania Avenue easier for me as a cyclist.	3	1	12	46	62	0			94%	3.63
The center bike lanes have made cycling on Pennsylvania Avenue more convenient for me as a cyclist.	3	2	13	42	60	2			92%	3.57
The center bike lanes have resulted in a longer trip time for me as a cyclist. Consider the most common origin and destination for a bicycle trip that brings you on this street.	28	21	6	2	57	4			14%	1.68

Indicate your level of agreement with the following statements regarding your thoughts on the Pennsylvania Avenue center bike lanes	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No opinion			% Agree	Mean
Riding a bicycle in Washington DC is less stressful because of the Pennsylvania Avenue bike lanes.	7	4	39	115	165	2			93%	3.59
I would go out of my way to ride on Pennsylvania Avenue as opposed to other streets.	10	13	53	89	165	2			86%	3.34
Taking Pennsylvania Avenue allows me to take a more direct bicycle route to my destination.	11	26	33	88	158	9			77%	3.25
The center bike lanes are a useful connection for me in getting places I want to go.	6	7	36	116	165	2			92%	3.59
The center bike lanes have made cycling in and around Washington, DC, safer for me as a cyclist.	7	3	35	121	166	1			94%	3.63
The center bike lanes have made cycling in and around Washington, DC, easier for me as a cyclist.	6	4	37	116	163	3			94%	3.61
The center bike lanes have made cycling in and around Washington, DC, more convenient for me as a cyclist.	6	6	39	114	165	2			93%	3.58
The center bike lanes have resulted in a better environment for bicycling in Washington DC.	6	0	16	142	164	3			96%	3.79
I feel that there is adequate separation between the center bike lanes and between moving cars.	2	17	54	89	162	0			88%	3.42
Leaves and other debris in the center bike lanes are a regular problem.	63	70	14	10	157	5			15%	1.82
The center bike lanes are wide enough for two cyclists going opposite directions to pass comfortably.	0	1	24	137	162	0			99%	3.84
The center bike lanes are wide enough for a fast cyclist to comfortably pass a slow cyclist.	3	16	74	68	161	1			88%	3.29
When riding in the center bike lanes, I feel protected from turning cars.	12	37	77	36	162	0			70%	2.85
Accessing the center bike lanes from surrounding streets is difficult.	35	67	48	9	159	3			36%	2.19
During the winter, snow is quickly removed from the center bike lanes.	9	9	11	2	31	131			42%	2.19

	Never	Rarely	On Most Trips	On Almost Every Trip	No Opinion	Total				
Passenger cars parked in the center bike lanes.	66	91	5	0	2	164				
Passenger cars loading and unloading in the center bike lanes.	92	66	4	0	2	164				
Delivery vehicles loading and unloading in the center bike lanes.	95	61	6	0	2	164				
Emergency/safety vehicles parked in the center bike lanes.	36	102	22	2	2	164				
Pedestrians waiting to cross Pennsylvania Avenue in the center bike lanes when bicycles have a green signal.	1	27	70	65	0	163				
Too many cyclists in the center bike lanes.	51	102	8	0	1	162				
Motor vehicles driving in the center bike lanes.	58	87	11	6	2	164				
Pedestrians walking in the center bike lanes.	21	98	30	14	1	164				

While riding in the Pennsylvania Avenue center bike lanes, have you ever had collisions or near misses with other road users? Check all that apply	Collision	Near Miss								
Another Bicyclist	0	33								
A Pedestrian	2	89								
A turning motor vehicle	2	82								

Penn Ave Cyclist Survey Data

A parking motor vehicle	0	11					
A delivery truck	0	11					
A non-moving object (specify)	0	3					
Something else (specify)	2	17					

Guiding Signal Selection	Center Cyclist Light	Car Left	Car Straight	Cross Right	New Region	Downstream Signal	Cross Street Signal
Picture 1 (Center Cyclist Light is correct)	160	0	0	0	0	0	0

When leaving the Pennsylvania Avenue center bike lanes, how do you normally complete the following turns:	A: By using the crosswalk on the near side of the intersection	B: By using the crosswalk on the far side of the intersection	Other	Total
Right Turn	127	7	28	162
Left Turn	42	89	31	162

Waiting Position	A: Behind the front edge of the crosswalk (the blue line in the diagram above)	B: Behind the back edge of the crosswalk (the orange line in the diagram above)	C: Behind the white bar (the red line in the diagram above)	Other (please specify)	Total
When you arrive at an intersection along Pennsylvania Avenue on a red light, where would you stop and wait?	42	49	59	14	164

Bike Box	Yes	No	Total
A bike box was installed at the corner of 4th Street and Pennsylvania Avenue (see the picture below). Do you remember ever riding through the bike box on a bicycle?	31	133	164

Intersection of 15th and Penn	Yes	No	Total
Below is a picture of the intersection of 15th Street and Pennsylvania Avenue (facing east). Do you remember ever riding through this intersection on a bicycle?	143	21	164

Indicate your level of agreement with the following statements regarding your experiences on the intersection of 15th Street and Pennsylvania Avenue.	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No opinion		% Agree	Mean
When waiting to cross 15th Street as a cyclist, the bike signal is clearly visible.	2	21	47	64	134	0		83%	3.29
When the bike signal is green, I never encounter motor vehicles in the intersection.	15	47	34	32	128	15		52%	2.65
As a cyclist, I am able to make it through the intersection during the time the bike signal remains green.	7	14	48	59	128	15		84%	3.24
As a cyclist, I have adequate space to wait safely for the bike signal to turn green.	11	24	36	56	127	16		72%	3.08
The bike facilities at this intersection make up an important bicycle connection for getting places I want to go.	5	7	30	87	129	14		91%	3.54

	Yes	No	Total
Do you think that the Pennsylvania Avenue center bike lanes are working well?	157	7	164

Please indicate your level of agreement about the following statements	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No opinion		% Agree	Mean
I support public investment in bicycling facilities	4	0	3	156	163			98%	3.91
Most bicyclists disobey traffic laws and generally cause problems for drivers.	31	78	45	4	158	3		31%	2.14

	My bicycle is my main mode of transportation year-round	My bicycle is my main mode of transportation during good weather. I drive or take transit more when the weather is bad.	I bicycle regularly for transportation (e.g. to work, school, shopping, errands), but it's not my main mode.	I rarely bicycle for transportation (e.g. to work, school, shopping, errands)	I only bicycle for recreation or exercise, and not to get to places, such as work, school, shopping, errands, etc.	Total		
Q55 Which of these statements best describes your bicycling travel habits? Please choose only one answer.	55	67	37	4	1	164		

About how many years have you been bicycling regularly for transportation?	N/A I don't bicycle regularly for transportation	less than 1	1	2	3	4		Mean
	2	23	20	18	18	9		6.52
continued . . .	5	6	7	8	9	10+		
	12	11	5	6	0	38		

Please rate how comfortable you generally feel when bicycling in the following situations.	Very Uncomfortable	Somewhat Uncomfortable	Somewhat Comfortable	Very Comfortable	Total
On a street with heavy traffic and no bike lane	50	74	30	8	162
On a street with heavy traffic with a bike lane	4	18	63	77	162
On a street with little traffic and no bike lane	1	22	80	59	162
On a street with little traffic with a bike lane	3	2	15	143	163
On a path or trail separate from the street	4	2	25	131	162

Penn Ave Cyclist Survey Data

	I am not interested in any way and do not ride my bicycle on the streets	I am interested, but have concerns, so I never or rarely ride my bicycle on the streets	I am enthusiastic and confident while I ride by bicycle on the streets	I am strong and fearless while I ride my bicycle on the streets	Other	Total			
Which of the following best describes how you feel about bicycling on streets in Washington D.C.?		2	122	21	19	164			
	Male	Female	Total						
What is your gender?	100	62	162						
	0-17	18-24	25-34	35-44	45-54	55-64	65+	Total	
What is your age?	0	13	73	35	28	11	4	164	
	No, not Hispanic or Latino/a	Yes, Hispanic or Latno/a	Total						
Do you consider yourself Hispanic or Latino/a?	151	10	161						
	White or Caucasian	Black or African American	American Indian or Alaska Native	Asian	Multiracial	Other	Total		
Do you consider yourself:	139	1	1	7	7	5	160		

16th and U Cyclist Survey Data

Completed Surveys: 154

When you received the postcard for this survey, where were you . . .	Work	School	Shopping, errands, personal business	Home	No particular destination, exercise	I don't remember	Other	Total		
Coming FROM on your bicycle	32	4	2	69	1	1	1	110		
Going TO on your bicycle	106	8	4	24	1		5	148		

	A: Heading southbound on New Hampshire Avenue	B: Heading northbound on New Hampshire Avenue	C: Other (please specify)	Total						
Consider the trip you were taking when you received the postcard for this survey. How did you approach the intersection?	114	43	1	158						

	Never	Less than 1 day per week	At least once a week but not daily	On 5 or more days per week	Don't Know / remember	Total				
Before the intersection changes were made, about how often did you ride your bicycle through this intersection?	35	15	23	66	16	155				
Since the intersection changes were made, about how often do you ride your bicycle through this intersection?	0	4	32	111	1	148				

For the following questions, consider the contra-flow bike lanes on New Hampshire Avenue.	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No opinion		% Agree	Mean
I feel safer riding on this block as a cyclist because of the contra-flow bike lane	7	5	33	106	151	6		92%	3.58
The contra flow bicycle lane has made riding on this block easier for me as a cyclist.	7	4	23	117	151	6		93%	3.66
The contra flow bicycle lane has made riding on this block more convenient for me to use as a cyclist.	7	6	24	114	151	5		91%	3.62
The contra flow bicycle lane has resulted in a shorter trip time for me as a cyclist. Consider the most common origin and destination for a bicycle trip that brings you through this block.	14	24	35	63	136	20		72%	3.08
The contra flow bicycle lanes make for a better environment for bicycling in Washington D.C.	7	4	23	119	153	3		93%	3.66

	Yes	No	Total							
Prior to the contra-flow bicycle lane, did you ever ride a bicycle AGAINST traffic on New Hampshire Avenue?	87	69	156							

Consider the section of New Hampshire Avenue heading north toward U Street (pictured above). Have the following situations resulted in a collision or near miss? (For this question, only count instances that occurred in the New Hampshire contra-flow bike lanes) Check all that apply	Collision	Near Collision								
Car doors have been opened in my path	0	43								
Cars have pulled out from a parked position into my path	0	70								

SB Cyclists Only	A: Crossed 16th Street, entered the bike box, then crossed U Street.	B: Crossed the intersection diagonally.	C: Used the crosswalks - crossed 16th Street then crossed U Street.	D: Used the crosswalks - crossed U Street then crossed 16th Street.	Other (Please specify)	Total				
The most recent time you had to cross this intersection approaching from New Hampshire Ave, what path below best describes your actions?	45	11	8	39	10	113				

SB Cyclists Only	Waited for the bike signal to turn green to cross 16th Street	Just went when there was a gap in traffic on 16th Street	Total							
When you used path A, how did you get to the bike box?	8	37	45							

NB Cyclists Only	A: Crossed 16th Street, entered the bike box, then crossed U Street.	B: Crossed the intersection diagonally.	C: Used the crosswalks - crossed 16th Street then crossed U Street.	D: Used the crosswalks - crossed U Street then crossed 16th Street.	Other (Please specify)	Total				
The most recent time you had to cross this intersection approaching from New Hampshire Ave, what path below best describes your actions?	3	7	11	19	2	42				

NB Cyclists Only	Waited for the bike signal to turn green to cross 16th Street	Just went when there was a gap in traffic on 16th Street	Total							
When you used path A, how did you get to the bike box?	3	0	3							

	Yes	No	Total							
When arriving at the intersection of 16th and U from New Hampshire, bicyclists arrive at the following locations (on the left is northbound, and on the right is southbound).	134	20	154							

	Never	Rarely	On most of my trips	On almost every trip	I don't remember	Total				
How often does the bicycle signal reliably "detect" your presence as a cyclist so that you get a green signal?	21	54	36	17	26	154				

	Yes	No	I don't Remember	Total						
Prior to this survey have you seen and read the informational poster posted at the intersection shown below?	86	64	5	155						

	Yes	No	Total							
Did the poster make sense	82	35	155							

Please indicate your level of agreement with these statements specifically about the BIKE SIGNAL and BIKE BOX	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No opinion		% Agree	Mean
I feel safer when going through this intersection as a cyclist because of the bike signal and bike box	8	26	68	45	147	6		77%	3.02
The bicycle signal and bike box have made riding through this intersection easier for me as a cyclist.	7	31	67	41	146	7		74%	2.97

16th and U Cyclist Survey Data

Statement	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No opinion	% Agree	Mean
The bicycle signal and bike box have made riding through this intersection more convenient for me to use as a cyclist.	9	32	60	46	147	6	72%	2.97
The bicycle signal and bike box have resulted in a shorter trip time for me as a cyclist. Consider the most common origin and destination for a bicycle trip that brings you through this intersection.	22	52	38	24	136	17	46%	2.47
The green time given to me by the bicycle signal is long enough for me to safely proceed across 16th Street and into the Bike Box.	6	30	38	43	117	35	69%	3.01
It's not worth my time to wait for the bike signal	6	27	60	54	147	5	78%	3.10
When crossing 16th Street to get in the bike box after I get the green signal, I often encounter cars that have just turned left off of U Street.	8	26	47	26	107	44	68%	2.85
I often see motor vehicles stopped inside the bike box at red lights.	17	31	32	50	130	22	63%	2.88
The bicycle signal and bike box make for a better environment for bicycling in Washington.		7	63	70	140	11	95%	3.45

	No, I didn't ride through this intersection before it was installed	No, I ride through it the same as before	Yes	Total
Has the installation of the new bike facilities at this intersection changed how you ride through the intersection?	43	40	70	153

	Yes	No	
Do you think the intersection is working well with the contra-flow bike lanes, bike signal and bike box?	84	69	153

Please indicate your level of agreement about the following statements	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No opinion	% Agree	Mean
I support public investment in bicycling facilities	3		3	147	153		98%	3.92
Most bicyclists disobey traffic laws and generally cause problems for drivers.	21	69	55	8	153		41%	2.33

	My bicycle is my main mode of transportation year round	My bicycle is my main mode of transportation during good weather. I drive or take transit more when the weather is bad.	I bicycle regularly for transportation (e.g. to work, school, shopping, errands), but it's not my main mode.	I rarely bicycle for transportation (e.g. to work, school, shopping, errands)	I only bicycle for recreation or exercise, and not to get to places, such as work, school, shopping, errands, etc.	Total
Q55 Which of these statements best describes your bicycling travel habits? Please choose only one answer.	86	47	18	1		152

About how many years have you been bicycling regularly for transportation?	N/A I don't bicycle regularly for transportation	less than 1	1	2	3	4			Mean
	0	16	19	26	18	17			5.31
continued . . .	5	6	7	8	9	10+			
	7	6	5	8	2	27			

Please rate how comfortable you generally feel when bicycling in the following situations.	Very Uncomfortable	Somewhat Uncomfortable	Somewhat Comfortable	Very Comfortabl	Total
On a street with heavy traffic and no bike lane (1)	48	68	31	5	152
On a street with heavy traffic with a bike lane	3	18	77	54	152
On a street with little traffic and no bike lane	3	14	62	73	152
On a street with little traffic with a bike lane	2	1	11	138	152
On a path or trail separate from the street	2	4	16	130	152

	I am not interested in any way and do not ride my bicycle on the streets	I am interested, but have concerns, so I never or rarely ride my bicycle on the streets	I am enthusiastic and confident while I ride by bicycle on the streets	I am strong and fearless while I ride my bicycle on the streets	Other	Total
Which of the following best describes how you feel about bicycling on streets in Washington D.C.?	0	3	117	14	18	152

	Male	Female	Total
What is your gender?	97	56	153

	0-17	18-24	25-34	35-44	45-54	55-64	65+	Total
What is your age?	1	16	80	36	12	7	1	153

	No, not Hispanic or Latino/a	Yes, Hispanic or Latno/a	Total
Do you consider yourself Hispanic or Latino/a?	142	9	151

	White or Caucasian	Black or African American	American Indian or Alaska Native	Asian	Multiracial	Other	Total
Do you consider yourself:	141	3	0	4	3	2	153

Appendix D2   Surveys: <u>Pedestrian Survey</u>

15th Street Cycle Track - Pedestrian Intercept Survey Results

1. How frequently did (do) you walk on or across 15th Street . . .	Never	About one day per week	More than once a week but not daily	On 5 or more days per week	I don't remember	Total				
BEFORE the cycle track was built	12	16	19	76	5	128				
AFTER the cycle track was built	3	15	22	84		124				

2. If you did not walk on 15th Street NW BEFORE the cycle track SKIP to Q 3. Otherwise, please indicate your agreement with the following statements:	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion			% Agree	Mean
I feel that crossing 15th Street as a pedestrian is more difficult now because of the cycle track.	38	27	31	13	109	7			40%	2.17
I perceive that motor vehicles drive slower on 15th Street NW after the installation of the cycle track..	21	36	19	14	90	26			37%	2.29
Based on my observations, there are fewer cyclists riding on the sidewalk after the cycle track was installed.	12	7	27	47	93	23			80%	3.17
I believe that the cycle track has made the streetscape better when walking on the 15th NW sidewalk.	7	11	28	53	99	17			82%	3.28
I feel safer crossing 15th Street now because of the cycle track.	16	27	25	21	89	26			52%	2.57

3. Please indicate your agreement with the following statements:	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion			% Agree	Mean
I feel that the cycle track doesn't affect me as a pedestrian.	30	46	31	25	132				42%	2.39
I support public investment in bicycling facilities.	6	2	21	101	130	4			94%	3.67
Intersection signals, signs and street markings make it clear who has the right of way at intersections on 15th Street.	16	34	41	34	125	10			60%	2.74
Based on my observations, cyclists in the cycle track generally stop for pedestrians at crosswalks.	26	34	37	27	124	11			52%	2.52
I like that the walk signal appears a few seconds before the traffic signal turns green for cars.	5	2	15	85	107	28			93%	3.68
Most bicyclists disobey traffic laws and generally cause problems for pedestrians.	34	37	34	21	126	9			44%	2.33

4. While waiting for the walk signal to cross 15th Street, where do you typically stand (refer to the picture to the right) Please choose one answer	A: On the sidewalk/curb	B: Adjacent to the cycle track	C: Between the cars and bike lanes	D: Adjacent to the parking lane	Other	Total				
While waiting for the walk signal to cross 15th Street, where do you typically stand (refer to the picture to the right) Please choose one answer	101	9	9	10	1	130				

5. Have you been in involved in or witnessed a collision or near-miss with a cyclist in the cycle track while trying to cross 15th Street along the cycle track? (CHOOSE ALL THAT APPLY)	Collision	Near Collision								
Involved	0	28								
Witnessed	4	31								

7. Are you a resident of the Washington, DC, metro area?	Yes	No	Total							
DC Resident?	111	19	130							

	Never	Less than one day a month	1-3 days a month	1-3 days a week	4 or more days a week	I don't remember	Total			
8. How often do you ride a bicycle during good weather?	54	20	17	18	21	0	130			
10. How often do you drive?	25	27	28	26	23	1	130			

9. Have you ridden a bicycle in the cycle track on 15th NW?	Yes	No	Total							
Have you ridden a bicycle in the cycle track on 15th NW?	46	84	130							

11. What is your gender?	Male	Female	Total							
Gender	67	62	129							

12. What is your age?	0-17	18-24	25-34	35-44	45-54	55-64	65+	Total		
Age	0	5	48	27	24	24	1	129		

Pennsylvania Avenue Pedestrian Intercept Survey Results

1. How frequently did (do) you walk on or across this section of Pennsylvania Avenue	Never	About one day per week	More than once a week but not daily	On 5 or more days per week	I don't remember	Total				
BEFORE the bike lanes were installed	22	12	19	41	7	101				
AFTER the bike lanes were installed	5	18	22	45		90				

2. If you did not walk on Pennsylvania Avenue BEFORE the center bike lanes SKIP to Q 3. Otherwise, please indicate your level of agreement or disagreement with the following statements:	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion			% Agree	Mean
I feel that crossing Pennsylvania Avenue is more difficult with the center bike lanes.	31	22	13	6	72	5			26%	1.92
Based on my observations, there are fewer cyclists riding on the sidewalk after the center bike lanes were installed.	4	7	19	28	58	18			81%	3.22
I think that the center bike lanes make for a better environment for pedestrians crossing Pennsylvania Avenue.	6	14	24	29	73	5			73%	3.04
I perceive that motor vehicles drive slower on Pennsylvania Avenue after the center bike lanes were installed.	6	19	20	5	50	28			50%	2.48

3. Please indicate your level of agreement or disagreement with the following statements:	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion			% Agree	Mean
I feel that the center bike lanes don't affect me as a pedestrian.	11	22	29	32	94	7			65%	2.87
I think that most cyclists want to wait in the median for a green light in the same place pedestrians want to wait.	21	19	33	16	89	12			55%	2.49
I support public investment in bicycling facilities.	8	0	20	72	100	4			92%	3.56
When crossing Pennsylvania Avenue, I sometimes have to wait in the median for another light cycle.	14	9	38	32	93	10			75%	2.95
Most bicyclists disobey traffic laws and generally cause problems for pedestrians.	39	22	27	10	98	5			38%	2.08
While waiting in the Pennsylvania Avenue median, I am concerned about the risk of being hit by a cyclist.	39	26	22	8	95	8			32%	1.99

4. Have you been in involved in or witnessed a collision or near-miss with a cyclist while trying to cross Pennsylvania Avenue with the center bike lanes? (CHOOSE ALL THAT APPLY)	Collision	Near Collision								
Involved	1	9								
Witnessed	3	12								

6. Are you a resident of the Washington, DC, metro area?	Yes	No	Total							
DC Resident?	74	26	100							

	Never	Less than one day a month	1-3 days a month	1-3 days a week	4 or more days a week	I don't remember	Total			
7. How often do you ride a bicycle during good weather?	27	14	21	18	16	3	99			
9. How often do you drive?	22	11	21	22	24		100			

8. Have you ridden a bicycle in the center bike lanes?	Yes	No	Total							
Have you ridden a bicycle in the cycle track on 15th NW?	37	63	100							

10. What is your gender?	Male	Female	Total							
Gender	46	48	94							

11. What is your age?	0-17	18-24	25-34	35-44	45-54	55-64	65+	Total		
Age	0	6	28	11	27	21	6	99		

Appendix D3   Surveys:
<u>Neighborhood</u>
<u>Resident Survey</u>

16th Street, U Street, New Hampshire Avenue Intersection - Resident Survey

1) Please indicate how often you use the following modes of transportation for everyday travel needs	Never	Less than 1 day per week	At least once a week but not daily	5 or more days per week	Total	Blank			
1a. Car/truck/etc	82	117	109	68	376	12			
1b. Walking	5	6	53	314	378	10			
1c. Bicycling	203	64	67	37	371	17			
1d. Public transportation	14	88	118	160	380	8			

2) Please indicate whether you agree or disagree with the following statements:	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean
2a. I am satisfied with my neighborhood as a place for walking	4	3	69	309	385	2	1	98.2%	3.77
2b. I am satisfied with my neighborhood as a place for driving	21	74	149	66	310	76	2	69.4%	2.84
2c. I am satisfied with my neighborhood as a place for biking	12	37	114	113	276	109	3	82.2%	3.19
2d. I am satisfied with my neighborhood as a place for taking transit	3	10	97	270	380	5	3	96.6%	3.67
2e. My neighborhood has improved in the last 2 years	4	14	133	181	332	54	2	94.6%	3.48
2f. Washington DC should be investing in projects that encourage more people to ride bicycles for transportation	25	38	109	182	354	31	3	82.2%	3.27
2g. Traffic congestion is a serious problem in Washington DC	2	20	94	251	367	20	1	94.0%	3.62
2h. Traffic congestion is a serious problem in my neighborhood	15	77	156	117	365	22	1	74.8%	3.03
2i. I would like to live in a place where my daily needs can be met through bicycling	43	50	81	136	310	76	2	70.0%	3.00
2j. I am familiar with the bicycle lanes and other bicycle facilities in my neighborhood	5	19	142	205	371	16	1	93.5%	3.47
2k. I often use the bicycle lanes and other bicycle facilities in my neighborhood	139	35	53	92	319	66	3	45.5%	2.31
2l. Bicycling is an important part of the Washington transportation system.	23	43	113	179	358	27	3	81.6%	3.25
2m. Bicycling in Washington DC is safe	63	121	129	30	343	41	4	46.4%	2.37
2n. Bicycling in Washington DC is convenient	19	59	182	87	347	39	2	77.5%	2.97
2o. Washington DC should be investing in projects that improve the safety of bicycling	15	24	102	219	360	26	2	89.2%	3.46
2p. I support public investment in bicycling facilities	29	30	96	208	363	23	2	83.7%	3.33
2q. Most bicyclists disobey traffic laws and generally cause problems for drivers	34	103	117	109	363	24	1	62.3%	2.83

3) How often have you traveled to or through the intersection of 16th and U Streets?	Never	Less than 1 day per week	At least once a week but not daily	5 or more days per week	Total	Blank			
3a. Before - In a car	67	156	102	52	377	11			
3b. Before - On foot	19	33	128	199	379	9			
3c. Before - On a bicycle	223	74	54	23	374	14			
3d. Before - On public transportation	118	110	69	78	375	13			
3e. Since - In a car	54	159	106	55	374	14			
3f. Since - On foot	6	35	127	207	375	13			
3g. Since - On a bicycle	213	73	56	28	370	18			
3h. Since - On public transportation	111	111	71	80	373	15			

4) Please indicate whether you agree or disagree with the following statements:	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean
4a. I understand how the contra-flow bike lanes work	41	46	132	132	351	29	8	75.2%	3.01
4b. I understand how the bike box works	54	77	119	94	344	36	8	61.9%	2.74
4c. I understand how the bike signal works	39	72	107	126	344	34	10	67.7%	2.93
4d. I support the new bicycle features at 16th and U Street	29	30	113	165	337	43	8	82.5%	3.23
4e. The new bicycle features at 16th and U Street are a valuable asset to my neighborhood	26	37	113	149	325	55	8	80.6%	3.18
4f. I have more transportation options because of the new bicycle features at 16th and U Street	69	73	70	82	294	87	7	51.7%	2.56
4g. I see many people riding bicycles through the intersection at 16th and U Street	10	20	108	212	350	31	7	91.4%	3.49
4h. Prior to installation, I supported the new bicycle features at 16th and U Street	25	17	66	106	214	166	8	80.4%	3.18
4i. Immediately following the installation, I supported the new bicycle features at 16th and U Street	25	30	93	133	281	100	7	80.4%	3.19

5) Have you driven a motor vehicle through the intersection of 16th and U Street in the past year?	Yes	No	Total	Blank					
5. MV in last year	289	87	376	12					

16th Street, U Street, New Hampshire Avenue Intersection - Resident Survey

Since the changes were made…	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean
5a. I think traffic congestion has gotten worse at this intersection as a result of the bike facilities	98	78	27	28	231	68	89	23.8%	1.94
5b. I feel like I have to wait longer for a green light since the bicycle signal was added	83	73	44	21	221	77	90	29.4%	2.01
5c. Parking is more challenging with the new bicycle facilities	90	64	37	36	227	72	89	32.2%	2.08
5d. It seems that cyclist behavior when using the intersection is more predictable now with the new bike facilities	30	63	93	37	223	76	89	58.3%	2.61
5e. I feel that the contra-flow bike lanes don't affect me as a driver	31	51	97	69	248	48	92	66.9%	2.82
5f. I find it confusing to have cyclists ride the opposite direction of traffic on New Hampshire	94	71	55	28	248	49	91	33.5%	2.07
5g. I am concerned about safety with cyclists riding in the opposite direction of traffic on a one-way street	75	69	71	51	266	33	89	45.9%	2.37
5h. I feel that the bike signal and box doesn't affect me as a driver	25	52	112	64	253	44	91	69.6%	2.85
5i. I feel like I understand what the purpose of the bike signal and bike box is	18	45	116	94	273	25	90	76.9%	3.05
5j. I find it confusing to have bicyclists move across 16th Street into the bike box when other traffic is stopped	59	80	63	33	235	62	91	40.9%	2.30
5k. Prior to this survey, I was aware that there are bicycle signals at this intersection	40	27	34	185	286	13	89	76.6%	3.27
5l. The restriction of no right-turn on red from 16th Street is a major inconvenience	72	79	65	44	260	39	89	41.9%	2.31
5m. It is easy to confuse the bicycle signals with motor vehicle signals	87	84	49	20	240	59	89	28.8%	2.01
5n. Motor vehicles should not stop in the bicycle box	9	11	54	178	252	46	90	92.1%	3.59

6) Have you bicycled through the intersection of 16th and U Street in the past year?	Yes	No	Total	Blank					
6. Bike last year	128	248	376	12					

Since the changes were made…	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean
6a. I feel safer riding on this block as a cyclist because of the changes to the intersection	11	19	58	33	121	12	255	75.2%	2.93
6b. The changes to the intersection have made riding on this block easier for me as a cyclist	10	15	60	38	123	10	255	79.7%	3.02
6c. The changes to the intersection have made riding on this block more convenient for me as a cyclist	10	13	61	37	121	12	255	81.0%	3.03
6d. The changes to the intersection have resulted in a shorter trip time for me as a cyclist.	11	34	32	18	95	37	256	52.6%	2.60
6e. The new features at this intersection make for a better environment for bicycling in Washington DC	4	10	43	61	118	13	257	88.1%	3.36
6f. While bicycling, I've noticed that motor vehicles seem more aware of cyclists now	11	33	44	24	112	20	256	60.7%	2.72
6g. The intersection of 16th and U Streets is a useful connection to get to the places I need to go by bicycle	0	9	45	65	119	13	256	92.4%	3.47
6h. I am more likely to choose to bicycle through this intersection than to take alternative routes because of the changes	13	30	40	31	114	17	257	62.3%	2.78
6i. I am bicycling more (in general) now than I was before the changes were made	19	37	36	22	114	17	257	50.9%	2.54
6j. As a bicyclist, I understand the purpose of the new bicycle markings and signals	6	16	52	54	128	2	258	82.8%	3.20
6k. When bicycling through this intersection, I follow the markings and signals as intended	11	30	38	45	124	6	258	66.9%	2.94
6l. Cyclists are generally better at following the rules of the road (at this intersection) since the changes	14	28	47	19	108	23	257	61.1%	2.66
6m. Cyclists have become more predictable (at this intersection) since the changes were made	12	24	43	24	103	27	258	65.0%	2.77

7) Have you walked through the intersection of 16th and U Street in the past year?	Yes	No	Total	Blank					
7. Walk last year	361	10	371	17					

Since the changes were made…	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean

16th Street, U Street, New Hampshire Avenue Intersection - Resident Survey

7a. The changes made to this intersection don't affect me as a pedestrian	44	66	113	131	354	15	19	68.9%	2.94
7b. Walking through this intersection is safer now	38	101	91	34	264	105	19	47.3%	2.46
7c. Walking through this intersection is easier now	37	102	82	34	255	115	18	45.5%	2.44
7d. I am more likely to choose to walk through this intersection than to take alternative routes	47	82	77	53	259	110	19	50.2%	2.53
7e. I am walking more (in general) now than I was before the changes were made	142	92	28	17	279	90	19	16.1%	1.71
7f. When walking through this intersection, I encounter fewer cyclists in the crosswalks now than before the changes were made	50	78	85	36	249	120	19	48.6%	2.43
7g. When walking across U Street I encounter fewer right-turning cars in my path	38	54	97	48	237	131	20	61.2%	2.65
7h. Cyclists are more aware of pedestrians crossing the street now, and yield to them	88	101	64	20	273	95	20	30.8%	2.06
7i. Motorists are more aware of pedestrians crossing the street now, and yield to them	61	96	98	31	286	83	19	45.1%	2.35
7j. Intersection signals, signs and street markings make it clear who has the right of way at this intersection	51	70	134	58	313	51	24	61.3%	2.64
7k. Cyclists generally stop for pedestrians at crosswalks	120	88	90	26	324	43	21	35.8%	2.07
7l. There are fewer cyclists riding on the sidewalk now	65	67	115	61	308	60	20	57.1%	2.56
(Note that questions 8-16 asked about the 15th Street Cycle Track, and are tallied with the Cycle Track Responses)									
17) INCLUDING YOURSELF, how many people live in your household?	0	1	2	3	4+	Total	Blank		
17a Adults	0	228	141	5	8	382	6		
17b Children	367	14	1	0	0	382	6		
18) Do you rent or own your home?	Rent	Own	Other	Total	Blank				
18a. Home Status	229	149	3	381	7				
19) How many years have you lived in this home?	0 to 1 years	1.1 to 5 years	6 to 10 years	More than 10 years	Total	Blank			
19. Home Years	64	174	49	94	381	7			
20) Do you have a valid driver's license?	No	Yes	Total	Blank					
20. License	30	342	372	16					
21) How many motor vehicles does your household own or lease?	0	1	2	3	4+	Total	Blank		
21. How many cars	168	184	25	5	0	382	6		
22) About how many miles per week do you drive?	0	.5 though 25	26 through 100	100+	Total	Blank			
22. Miles	136	148	72	26	382	6			
23) What is your age?	0 to 34	35 to 54	55+	Total	Blank				
23. Age	174	133	68	375	13				
24) What is your gender?	Female	Male	Total	Blank					
24. Gender	190	192	382	6					
25) Do you consider yourself Hispanic or Latino/a	No	Yes	Total	Blank					
25. Hispanic	359	13	372	16					
26) Do you consider yourself: (Please check just one box.)	White or Caucasian	Black or African American	American Indian or Alaska Native	Asian	Multiracial	Other	Blank		
26. Race	309	28	2	15	13	9	12		
27) Do you work outside your home?	No	Yes	Total	Blank					
27. WorkZip	62	313	375	13					

15th Street Cycle Track - Resident Survey

1) Please indicate how often you use the following modes of transportation for everyday travel needs:	Never	Less than 1 day per week	At least once a week but not daily	5 or more days per week	Total	Blank			
1a. Car/truck/etc	180	239	245	171	835	31			
1b. Walking	8	12	108	717	845	21			
1c. Bicycling	445	141	132	96	814	52			
1d. Public transportation	55	226	267	292	840	26			

2) Please indicate whether you agree or disagree with the following statements:	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean
2a. I am satisfied with my neighborhood as a place for walking	11	13	157	680	861	3	2	97.2%	3.75
2b. I am satisfied with my neighborhood as a place for driving	49	171	333	152	705	154	7	68.8%	2.83
2c. I am satisfied with my neighborhood as a place for biking	36	81	254	256	627	232	7	81.3%	3.16
2d. I am satisfied with my neighborhood as a place for taking transit	11	49	234	547	841	18	7	92.9%	3.57
2e. My neighborhood has improved in the last 2 years	21	28	249	458	756	104	6	93.5%	3.51
2f. Washington DC should be investing in projects that encourage more people to ride bicycles for transportation	63	91	238	397	789	70	7	80.5%	3.23
2g. Traffic congestion is a serious problem in Washington DC	4	34	189	598	825	38	3	95.4%	3.67
2h. Traffic congestion is a serious problem in my neighborhood	24	143	358	289	814	47	5	79.5%	3.12
2i. I would like to live in a place where my daily needs can be met through bicycling	102	112	210	284	708	152	6	69.8%	2.95
2j. I am familiar with the bicycle lanes and other bicycle facilities in my neighborhood	11	37	286	494	828	36	3	94.2%	3.53
2k. I often use the bicycle lanes and other bicycle facilities in my neighborhood	298	94	110	210	712	145	9	44.9%	2.33
2l. Bicycling is an important part of the Washington transportation system.	51	104	270	377	802	57	7	80.7%	3.21
2m. Bicycling in Washington DC is safe	150	275	280	62	767	93	6	44.6%	2.33
2n. Bicycling in Washington DC is convenient	39	111	405	193	748	113	5	79.9%	3.01
2o. Washington DC should be investing in projects that improve the safety of bicycling	38	50	240	473	801	60	5	89.0%	3.43
2p. I support public investment in bicycling facilities	65	74	236	434	809	50	7	82.8%	3.28
2q. Most bicyclists disobey traffic laws and generally cause problems for drivers	81	207	265	258	811	53	2	64.5%	2.86

3) How often have you traveled on 15th Street NW between V Street and E Street?	Never	Less than 1 day per week	At least once a week but not daily	5 or more days per week	Total	Blank			
3a. Before - In a car	172	268	259	135	834	32			
3b. Before - On foot	76	128	270	362	836	30			
3c. Before - On a bicycle	526	159	103	40	828	38			
3d. Before - On public transportation	588	120	69	51	828	38			
3e. Since - In a car	154	296	260	127	837	29			
3f. Since - On foot	50	122	280	386	838	28			
3g. Since - On a bicycle	478	147	134	75	834	32			
3h. Since - On public transportation	577	123	78	53	831	35			

4) Please indicate your level of agreement with the following statements	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean
4a. I support the 15th Street cycle track	83	47	173	501	804	45	17	83.8%	3.36
4b. The cycle track on 15th Street is a valuable asset to my neighborhood	77	56	189	460	782	63	21	83.0%	3.32
4c. I see many people riding bicycles in the 15th St. cycle track	27	43	208	518	796	50	20	91.2%	3.53
4d. The cycle track is a visually appealing part of 15th Street	111	130	201	289	731	111	24	67.0%	2.91
4e. I often see vehicles parked in the cycle track	350	259	101	39	749	95	22	18.7%	1.77

	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean
4f. The small white "flex-posts" do a good job of separating the areas where bikes should be from the areas where cars should be	35	50	351	325	761	84	21	88.8%	3.27
4g. Prior to installation, I supported the 15th Street cycle track	68	35	131	264	498	351	17	79.3%	3.19
4h. Immediately following the installation, I supported the 15th Street cycle track	83	71	159	380	693	153	20	77.8%	3.21

5) Have you driven a motor vehicle on 15th Street NW between V Street and E Street in the past year?	Yes	No	Total	Blank					
5. MV in last year	604	221	825	41					

Since the changes were made…	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean
5a. I think there are fewer cyclists riding in the car lanes since the cycle track was installed	40	60	183	293	576	59	231	82.6%	3.27
5b. My perception is that traffic congestion has gotten worse as a result of the cycle track	187	180	83	95	545	88	233	32.7%	2.16
5c. I feel safer driving on 15th Street because of the cycle track	93	119	192	112	516	118	232	58.9%	2.63
5d. I feel that it takes longer to drive this section of 15th Street than before.	138	170	131	113	552	86	228	44.2%	2.40
5e. In general, I feel that drivers travel slower on 15th Street after the installation of the cycle track	108	183	166	72	529	113	224	45.0%	2.38
5f. Driver behavior is safer and calmer with the cycle track	87	162	188	73	510	128	228	51.2%	2.48
5g. It is a major inconvenience that drivers must wait for a green arrow before turning left off of 15th Street	164	153	127	149	593	45	228	46.5%	2.44
5h. I feel that the cycle track doesn't affect me as a driver	122	164	190	108	584	51	231	51.0%	2.49
5i. Intersection signals, signs and street markings make it clear who has the right of way (bike or cars) at intersections on 15th Street	86	140	229	146	601	34	231	62.4%	2.72
5j. Turning off 15th Street into alleys, driveways, and parking garages) is difficult with the cycle track	64	130	184	139	517	122	227	62.5%	2.77
5k. I am concerned about safety with cyclists riding in the opposite direction of traffic on a one-way street	157	176	120	121	574	64	228	42.0%	2.36
5l. I find it stressful and challenging to park on 15th Street because of the cycle track	145	128	100	86	459	179	228	40.5%	2.28
5m. Overall, I like that bicycles are separated from the motor vehicle traffic	21	27	178	389	615	22	229	92.2%	3.52

6) Have you bicycled on 15th Street NW between V Street and E Street in the past year?	Yes	No	Total	Blank					
6. Bike last year	308	518	826	40					

Since the changes were made…	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean
6a. I feel safer cycling on 15th Street because of the cycle track	7	18	47	251	323	7	536	92.3%	3.68
6b. The 15th Street cycle track has made cycling in and around Washington DC safer for me as a cyclist	6	20	65	229	320	11	535	91.9%	3.62
6c. The 15th Street cycle track has made cycling on 15th Street easier for me as a cyclist	4	14	52	249	319	11	536	94.4%	3.71
6d. The 15th Street cycle track has made cycling in and around Washington DC easier for me as a cyclist	3	18	69	221	311	19	536	93.2%	3.63
6e. The 15th Street cycle track has made cycling on 15th Street more convenient for me as a cyclist	3	17	56	241	317	14	535	93.7%	3.69
6f. The 15th Street cycle track has made cycling in and around Washington DC more convenient for me as a cyclist	5	23	71	212	311	19	536	91.0%	3.58

15th Street Cycle Track - Resident Survey

								% Agree	Mean
6g.　The 15th Street cycle track has resulted in a shorter trip time for me as a cyclist.	19	35	88	130	272	58	536	80.1%	3.21
6h.　The 15th street cycle track is a useful connection for me in getting places I want to go	8	21	84	189	302	28	536	90.4%	3.50
6i.　The 15th Street cycle track has resulted in a better environment for bicycling in Washington	7	12	61	238	318	13	535	94.0%	3.67
6j.　I like riding on the cycle track north of Massachusetts Avenue (residential area)	9	6	61	206	282	49	535	94.7%	3.65
6k.　I like riding on the cycle track south of Massachusetts Avenue (downtown area)	7	30	86	139	262	68	536	85.9%	3.36

7) Have you walked on 15th Street NW between V Street and E Street in the past year?	Yes	No	Total	Blank					
7. Walk last year	758	54	812	54					

Since the changes were made…	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean
7a.　I feel that crossing 15th Street as a pedestrian is more difficult now because of the cycle track	237	194	211	119	761	37	68	43.4%	2.28
7b.　I perceive that motor vehicles drive slower on 15th Street NW after the installation of the cycle track	134	258	203	48	643	152	71	39.0%	2.26
7c.　Based on my observations, there are fewer cyclists riding on the sidewalk after the cycle track was installed	60	77	289	275	701	96	69	80.5%	3.11
7d.　I believe that the cycle track has made the streetscape better when walking on the sidewalk on 15th Street	68	100	258	256	682	114	70	75.4%	3.03
7e.　I feel safer crossing 15th Street now because of the cycle track	114	223	166	98	601	194	71	43.9%	2.41
7f.　I feel that the cycle track doesn't affect me as a pedestrian	151	246	226	145	768	30	68	48.3%	2.48
7g.　Intersection signals, signs and street markings make it clear who has the right of way at intersections on 15th Street	78	173	314	172	737	57	72	65.9%	2.79
7h.　Based on my observations, cyclists in the cycle track generally stop for pedestrians at crosswalks	215	192	246	83	736	57	73	44.7%	2.27
7i.　I like that the walk signal appears a few seconds before the traffic signal turns green for cars	20	23	200	440	683	103	80	93.7%	3.55

10) INCLUDING YOURSELF, how many people live in your household?	0	1	2	3	4+	Total	Blank		
10a Adults	4	498	313	17	17	849	17		
10b Children	570	28	11	4	2	615	251		

11) Do you rent or own your home?	Rent	Own	Other	Total	Blank				
11a. Home Status	437	405	6	848	18				

12) How many years have you lived in this home?	0 to 1 years	1.1 to 5 years	6 to 10 years	More than 10 years	Total	Blank			
12. Home Years	127	378	128	216	849	17			

13) Do you have a valid driver's license?	No	Yes	Total	Blank					
13. License	69	768	837	29					

14) How many motor vehicles does your household own or lease?	0	1	2	3	4+	Total	Blank		
14. How many cars	342	416	77	11	2	848	18		

15) About how many miles per week do you drive?	0	.5 though 25	26 through 100	100+	Total	Blank			
15. Miles	275	319	166	72	832	34			

16) What is your age?	0 to 34	35 to 54	55+	Total	Blank				
16. Age	367	310	162	839	27				

17) What is your gender?	Female	Male	Total	Blank					
17. Gender	397	454	851	15					

18) Do you consider yourself Hispanic or Latino/a?	No	Yes	Total	Blank					

15th Street Cycle Track - Resident Survey

18. Hispanic	789	37	826	40					
19) Do you consider yourself: (Please check just one box)	White or Caucasian	Black or African American	American Indian or Alaska Native	Asian	Multiracial	Other	Blank		
19a. Race	670	72	3	33	37	20	31		
20) Do you work outside your home?	No	Yes	Total	Blank					
20a. WorkZip	137	701	838	28					

Pennsylvania Avenue Center Bike Lanes - Resident Survey

1) Please indicate how often you use the following modes of transportation for everyday travel needs:	Never	Less than 1 day per week	At least once a week but not daily	5 or more days per week	Total	Blank		% Agree	Mean
1a. Car/truck/etc	31	55	41	27	154	3			
1b. Walking	1	3	21	129	154	3			
1c. Bicycling	102	23	16	3	144	13			
1d. Public transportation	5	23	58	67	153	4			
2) Please indicate whether you agree or disagree with the following statements:	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean
2a. I am satisfied with my neighborhood as a place for walking	5	8	31	113	157			91.7%	3.61
2b. I am satisfied with my neighborhood as a place for driving	15	35	48	27	125	31	1	60.0%	2.70
2c. I am satisfied with my neighborhood as a place for biking	8	17	50	20	95	60	2	73.7%	2.86
2d. I am satisfied with my neighborhood as a place for taking transit	4	8	23	119	154	3		92.2%	3.67
2e. My neighborhood has improved in the last 2 years	4	7	48	63	122	33	2	91.0%	3.39
2f. Washington DC should be investing in projects that encourage more people to ride bicycles for transportation	25	12	48	55	140	17		73.6%	2.95
2g. Traffic congestion is a serious problem in Washington DC	2	6	33	108	149	7	1	94.6%	3.66
2h. Traffic congestion is a serious problem in my neighborhood	5	22	62	59	148	9		81.8%	3.18
2i. I would like to live in a place where my daily needs can be met through bicycling	39	15	39	36	129	28		58.1%	2.56
2j. I am familiar with the bicycle lanes and other bicycle facilities in my neighborhood	10	13	57	66	146	10	1	84.2%	3.23
2k. I often use the bicycle lanes and other bicycle facilities in my neighborhood	76	15	25	16	132	23	2	31.1%	1.86
2l. Bicycling is an important part of the Washington transportation system.	26	30	46	39	141	15	1	60.3%	2.70
2m. Bicycling in Washington DC is safe	42	41	31	9	123	33	1	32.5%	2.06
2n. Bicycling in Washington DC is convenient	15	28	52	24	119	37	1	63.9%	2.71
2o. Washington DC should be investing in projects that improve the safety of bicycling	21	12	35	72	140	15	2	76.4%	3.13
2p. I support public investment in bicycling facilities	26	16	42	62	146	9	2	71.2%	2.96
2q. Most bicyclists disobey traffic laws and generally cause problems for drivers	16	39	36	48	139	16	2	60.4%	2.83
3) How often have you traveled on Pennsylvania Avenue NW from 3rd Street to 15th Street:	Never	Less than 1 day per week	At least once a week but not daily	5 or more days per week	Total	Blank			
3a. Before - In a car	36	53	36	25	150	7			
3b. Before - On foot	15	27	49	62	153	4			
3c. Before - On a bicycle	108	26	13	0	147	10			
3d. Before - On public transportation	70	32	32	16	150	7			
3e. Since - In a car	34	56	36	24	150	7			
3f. Since - On foot	8	29	54	62	153	4			
3g. Since - On a bicycle	100	25	19	3	147	10			
3h. Since - On public transportation	69	31	32	16	148	9			
4) Please indicate whether you agree or disagree with the following statements:	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean
4a. I support the center bike lanes on Pennsylvania Avenue	25	11	39	67	142	14	1	74.6%	3.04
4b. The center bike lanes on Pennsylvania Avenue are a valuable asset to my neighborhood	27	12	40	55	134	21	2	70.9%	2.92
4c. I see many people riding bicycles in the center bike lanes on Pennsylvania Avenue	17	32	60	30	139	14	4	64.7%	2.74
4d. The center bike lanes improve the appearance of the street	32	26	25	27	110	44	3	47.3%	2.43

Pennsylvania Avenue Center Bike Lanes - Resident Survey

	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean
4e. I often see vehicles parked in the center bike lanes on Pennsylvania Avenue	62	40	14	6	122	32	3	16.4%	1.70
4f. Prior to installation, I supported the Pennsylvania Avenue center bike lanes	22	6	17	28	73	79	5	61.6%	2.70
4g. Immediately following the installation, I supported the Pennsylvania Avenue center bike lanes	27	9	26	44	106	47	4	66.0%	2.82

5) Have you driven a motor vehicle on Penn. Ave. NW from 3rd Street to 15th Street in the past year?	Yes	No	Total	Blank					
5. MV in last year	112	37	149	8					

Since the changes were made…	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean
5a. I think there are fewer cyclists riding in the car lanes since the center bike lanes were installed	9	14	39	20	82	36	39	72.0%	2.85
5b. My perception is that traffic congestion has gotten worse as a result of the center bike lanes	24	29	9	19	81	38	38	34.6%	2.28
5c. I feel safer driving on Pennsylvania Avenue because of the center bike lanes	28	17	32	10	87	31	39	48.3%	2.28
5d. I feel that it takes longer to drive this section of Pennsylvania Avenue due to the center bike lanes	24	23	18	18	83	35	39	43.4%	2.36
5e. In general, I feel that more drivers travel slower on Pennsylvania Avenue now	18	30	21	9	78	41	38	38.5%	2.27
5f. Driver behavior is safer and calmer with the center bike lanes	22	22	23	6	73	44	40	39.7%	2.18
5g. It is a major inconvenience that cars are not allowed to make U-turns on Pennsylvania Avenue	29	20	30	19	98	18	41	50.0%	2.40
5h. I feel that the center bike lanes don't affect me as a driver	23	19	38	21	101	14	42	58.4%	2.56
5i. Intersection signals, signs and street markings make it clear who has the right of way at intersections on Pennsylvania Avenue	20	22	39	16	97	19	41	56.7%	2.53
5j. At the 15th Street intersection, the bike signals are easy to confuse with signals for motor vehicles	6	12	28	19	65	52	40	72.3%	2.92
5k. I have changed how I drive on Pennsylvania Avenue because of the center bike lanes	25	22	24	8	79	38	40	40.5%	2.189873418
5l. Overall, I like that bicycles are separated from the motor vehicle traffic	7	7	40	53	107	12	38	86.9%	3.30

6) Have you bicycled on Penn. Ave. from 3rd Street to 15th Street NW in the past year?	Yes	No	Total	Blank					
6. Bike last year	34	116	150	7					

Since the changes were made…	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean
6a. I feel safer cycling on Pennsylvania Avenue because of the center bike lanes	3	0	10	26	39	4	114	92.3%	3.51
6b. The center bike lanes have made cycling in and around Washington, DC safer for me as a cyclist	3	2	9	24	38	3	116	86.8%	3.42
6c. The center bike lanes have made cycling on Pennsylvania Avenue easier for me as a cyclist	3	0	10	26	39	2	116	92.3%	3.51
6d. The center bike lanes have made cycling in and around Washington, DC easier for me as a cyclist	3	4	7	24	38	3	116	81.6%	3.37
6e. The center bike lanes have made cycling on Pennsylvania Avenue more convenient for me as a cyclist	3	0	10	26	39	2	116	92.3%	3.51
6f. The center bike lanes have made cycling in and around Washington, DC more convenient for me as a cyclist	3	3	10	21	37	3	117	83.8%	3.32
6g. The center bike lanes have resulted in a longer trip time for me as a cyclist.	17	10	7	0	34	7	116	20.6%	1.71
6h. The center bike lanes are a useful connection for me in getting places I want to go	4	1	15	15	35	6	116	85.7%	3.17

Pennsylvania Avenue Center Bike Lanes - Resident Survey

	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean
6i. The center bike lanes have resulted in a better environment for bicycling in Washington	2	2	15	20	39	2	116	89.7%	3.36
6j. Taking Pennsylvania Avenue allows me to take a more direct bicycle route to my destination	6	5	15	5	31	9	117	64.5%	2.61

7) Have you walked on Penn. Ave. NW from 3rd Street to 15th Street in the past year?	Yes	No	Total	Blank
7. Walk last year	144	6	150	7

Since the changes were made…	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	Total	No Opinion	Blank	% Agree	Mean
7a. I feel that crossing Pennsylvania Avenue is more difficult with the center bike lanes	58	28	28	21	135	15	7	36.3%	2.09
7b. I perceive that motor vehicles drive slower on Pennsylvania Avenue after the center bike lanes were installed	33	39	16	7	95	54	8	24.2%	1.97
7c. Based on my observations, there are fewer cyclists riding on the sidewalk after the center bike lanes were installed	16	16	52	27	111	37	9	71.2%	2.81
7d. I think that the center bike lanes make for a better environment for pedestrians crossing Pennsylvania Avenue	25	30	41	22	118	31	8	53.4%	2.51
7e. I feel that the center bike lanes don't affect me as a pedestrian	26	40	42	30	138	11	8	52.2%	2.55
7f. When crossing Pennsylvania Avenue, I sometimes have to wait in the median for another light cycle	12	31	48	44	135	14	8	68.1%	2.92
7g. I think that most cyclists want to wait in the median for a green light in the same place pedestrians want to wait	9	17	45	27	98	50	9	73.5%	2.92
7h. Based on my observations, cyclists in the center bike lanes generally stop for pedestrians at crosswalks	33	46	29	11	119	30	8	33.6%	2.15

10) INCLUDING YOURSELF, how many people live in your household?	0	1	2	3	4	Total	Blank
10a Adults	0	69	78	4	2	153	4
10b Children	67	3	1	0	0	71	86

11) Do you rent or own your home?	Rent	Own	Other	Total	Blank
11a. Home Status	66	83	3	152	5

12) How many years have you lived in this home?	0 to 1 years	1.1 to 5 years	6 to 10 years	More than 10 years	Total	Blank
12. Home Years	34	73	23	20	150	7

13) Do you have a valid driver's license?	No	Yes	Total	Blank
13. License	8	144	152	5

14) How many motor vehicles does your household own or lease?	0	1	2	3	5	Total	Blank
14. How many cars	58	71	18	4	1	152	5

15) About how many miles per week do you drive?	0	.5 though 25	26 through 100	100+	Total	Blank
15. Miles	49	56	36	7	148	9

16) What is your age?	0 to 34	35 to 54	55+	Total	Blank
16. Age	57	46	42	145	12

17) What is your gender?	Female	Male	Total	Blank
17. Gender	85	64	149	8

18) Do you consider yourself Hispanic or Latino/a?	No	Yes	Total	Blank
18. Hispanic	141	4	145	12

19) Do you consider yourself: (Please check just one box)	White or Caucasian	Black or African American	Asian	Multiracial	Other	Total	Blank
19a. Race	119	5	14	2	5	145	12

20) Do you work outside your home?	No	Yes	Total	Blank
20a. WorkZip	24	124	148	9