

# **Appendix 1**

## **Resident Survey – Detailed Statistical Results**

---

### ***QUALITY-OF-LIFE STUDY OF THE 7<sup>th</sup> AVENUE AND 7<sup>th</sup> STREET REVERSIBLE LANES***

School of Planning, Arizona State University  
Phoenix Urban Research Laboratory, Arizona State University

---

**This appendix includes raw SPSS output and statistical tests from the survey data analysis. It is provided to illustrate the statistical power of some of the tables included in the main chapters.**

GET

FILE='C:\Documents and Settings\agolubl\My Documents\Phoenix Center Lanes'+

'\Survey Analysis\Resident Survey Analysis.sav'.

DATASET NAME DataSet1 WINDOW=FRONT.

DESCRIPTIVES

VARIABLES=Do\_you\_use\_streets\_during\_peak Use\_of\_reverse\_lanes  
Reverse\_lanes\_are\_safe Reverse\_lane\_is\_faster  
Reverse\_lane\_more\_convenient

Vehicles\_stopped\_in\_lanes Vehicles\_making\_illegal\_lefts  
Cut\_throughs

Congestion\_worse\_without\_lanes Rules\_understandable  
No\_changes\_needed

Remove\_7th\_ave Remove\_7th\_street Morning\_only Afternoon\_only  
Change\_overhead\_signs\_electronic Warning\_beacons

Increase\_enforcement

Add\_more\_left\_turn\_opportunities Remove\_lanes\_widen\_7th\_Ave  
Remove\_lanes\_widen\_7th\_street Add\_traffic\_calming Zip\_Code

Age\_group

Vehicles\_per\_household Num\_Adults Num\_Children

Employment\_status

Household\_Income Veh\_per\_adult Lane\_Attitude\_Index

Lane\_Experience\_Index

Survey\_ID South\_Mid\_North Near East West Central  
East\_West\_Central

/STATISTICS=MEAN STDDEV MIN MAX .

## Descriptives

[DataSet1] C:\Documents and Settings\agolubl\My Documents  
\Phoenix Center Lanes\Survey Analysis\Resident Survey  
Analysis.sav

**Descriptive Statistics**

	N	Minimum	Maximum	Mean	Std. Deviation
Do you use streets during reverse lane times?	392	0	4	3.09	1.100
Do you use the reverse lanes?	392	0	4	2.30	1.068
Agree or Disagree: "The reverse lanes are safe"	385	1	5	3.56	1.238
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes"	385	1	5	3.05	1.211

### Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby"	383	1	5	3.64	1.165
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours"	384	1	5	2.27	.998
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours"	385	1	5	2.23	1.061
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods"	384	1	5	2.28	1.007
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours"	384	1	5	2.68	1.278
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable"	386	1	5	2.71	1.266
"No changes are needed to 7th Avenue or 7th Street"	392	0	1	.13	.340
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation"	392	0	1	.38	.485
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation"	392	0	1	.37	.483
"Make the reverse lane operate only in the morning (6-9am, M-F)"	392	0	1	.08	.278
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)"	392	0	1	.03	.165
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation"	392	0	1	.46	.499
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect"	392	0	1	.45	.499

### Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes"	392	0	1	.38	.486
"Add more left-turn arrows along 7th Avenue and 7th Street"	392	0	1	.51	.501
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane"	392	0	1	.17	.375
"Remove reverse lane and widen 7th Street to provide an additional southbound lane"	392	0	1	.16	.370
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods"	392	0	1	.21	.411
Zip Code	386	85003	85021	85014.46	6.088
Age Group	392	0	7	4.46	1.789
Vehicles in Household	392	0	7	1.79	1.101
Number of Adults	392	0	7	1.68	.906
Number of Children	392	0	4	.33	.795
Employment Status	392	0	4	1.76	1.335
Household Income	392	0	8	4.26	2.258
Vehicle per Adult	357	.00	3.50	1.0503	.52696
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative)	392	-1.00	1.00	-.1135	.50851
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative)	392	-1.00	.88	-.2376	.37511
Survey_ID	392	5.00	396.00	200.5000	113.30490
North to South Location	384	2.00	4.00	3.0651	.92453
Within 1/2 Mile of 7th Avenue or 7th Street	392	.00	1.00	.9005	.29970
On Central Avenue or East	392	.00	1.00	.4005	.49063
On Central Avenue or West	392	.00	1.00	.4439	.49748
On Central Avenue East or Central or West	392	.00	1.00	.1352	.34238
Valid N (listwise)	330	1.00	3.00	1.9557	.92858

### FREQUENCIES

VARIABLES=Do\_you\_use\_streets\_during\_peak Use\_of\_reverse\_lanes  
Reverse\_lanes\_are\_safe Reverse\_lane\_is\_faster  
Reverse\_lane\_more\_convenient  
Vehicles\_stopped\_in\_lanes Vehicles\_making\_illegal\_lefts  
Cut\_throughs

```

Congestion_worse_without_lanes Rules_understandable
No_changes_needed
Remove_7th_ave Remove_7th_street Morning_only Afternoon_only
Change_overhead_signs_electronic Warning_beacons
Increase_enforcement
Add_more_left_turn_opportunities Remove_lanes_widen_7th_Ave
Remove_lanes_widen_7th_street Add_traffic_calming Zip_Code
Age_group
Vehicles_per_household Num_Adults Num_Children
Employment_status
Household_Income Veh_per_adult Lane_Attitude_Index
Lane_Experience_Index
Street Cross_Street South_Mid_North Near East West Central
East_West_Central
/ORDER= ANALYSIS .

```

## Frequencies

```

[DataSet1] C:\Documents and Settings\agolubl\My Documents
\Phoenix Center Lanes\Survey Analysis\Resident Survey
Analysis.sav

```

### Statistics

		Do you use streets during reverse lane times?	Do you use the reverse lanes?	Agree or Disagree: "The reverse lanes are safe"	Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes"	Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby"	Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours"
N	Valid	392	392	385	385	383	384
	Missing	0	0	7	7	9	8

**Statistics**

		Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours"	Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods"	Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours"	Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandabl e"	"No changes are needed to 7th Avenue or 7th Street"
N	Valid	385	384	384	386	392
	Missing	7	8	8	6	0

**Statistics**

		"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation"	"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation"	"Make the reverse lane operate only in the morning (6-9am, M-F)"	"Make the reverse lane operate only in the afternoon (4-6pm, M-F)"	"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation"	"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect"
N	Valid	392	392	392	392	392	392
	Missing	0	0	0	0	0	0

**Statistics**

		"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes"	"Add more left-turn arrows along 7th Avenue and 7th Street"	"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane"	"Remove reverse lane and widen 7th Street to provide an additional southbound lane"	"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods"	Zip Code
N	Valid	392	392	392	392	392	386
	Missing	0	0	0	0	0	6

**Statistics**

		Age Group	Vehicles in Household	Number of Adults	Number of Children	Employment Status	Household Income
N	Valid	392	392	392	392	392	392
	Missing	0	0	0	0	0	0

**Statistics**

		Vehicle per Adult	Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative)	Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative)	Street	Cross_Street	North to South Location
N	Valid	357	392	392	392	392	384
	Missing	35	0	0	0	0	8

**Statistics**

		Within 1/2 Mile of 7th Avenue or 7th Street	On Central Avenue or East	On Central Avenue or West	On Central Avenue	East or Central or West
N	Valid	392	392	392	392	384
	Missing	0	0	0	0	8

**Frequency Table**

**Do you use streets during reverse lane times?**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid No response	1	.3	.3	.3
No	51	13.0	13.0	13.3
7th street only	61	15.6	15.6	28.8
7th ave only	77	19.6	19.6	48.5
Both	202	51.5	51.5	100.0
Total	392	100.0	100.0	

**Do you use the reverse lanes?**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid No response	17	4.3	4.3	4.3
Never	80	20.4	20.4	24.7
Rarely	116	29.6	29.6	54.3
Sometimes	128	32.7	32.7	87.0
As much as possible	51	13.0	13.0	100.0
Total	392	100.0	100.0	

**Agree or Disagree: "The reverse lanes are safe"**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid strongly agree	12	3.1	3.1	3.1
agree	106	27.0	27.5	30.6
no opinion/can't tell	26	6.6	6.8	37.4
disagree	136	34.7	35.3	72.7
strongly disagree	105	26.8	27.3	100.0
Total	385	98.2	100.0	
Missing no response	7	1.8		
Total	392	100.0		

**Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes"**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid strongly agree	34	8.7	8.8	8.8
agree	122	31.1	31.7	40.5
no opinion/can't tell	70	17.9	18.2	58.7
disagree	110	28.1	28.6	87.3
strongly disagree	49	12.5	12.7	100.0
Total	385	98.2	100.0	
Missing no response	7	1.8		
Total	392	100.0		

**Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	strongly agree	19	4.8	5.0	5.0
	agree	63	16.1	16.4	21.4
	no opinion/can't tell	51	13.0	13.3	34.7
	disagree	155	39.5	40.5	75.2
	strongly disagree	95	24.2	24.8	100.0
	Total	383	97.7	100.0	
Missing	no response	9	2.3		
Total		392	100.0		

**Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	strongly agree	77	19.6	20.1	20.1
	agree	196	50.0	51.0	71.1
	no opinion/can't tell	49	12.5	12.8	83.9
	disagree	55	14.0	14.3	98.2
	strongly disagree	7	1.8	1.8	100.0
	Total	384	98.0	100.0	
Missing	no response	8	2.0		
Total		392	100.0		

**Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	strongly agree	100	25.5	26.0	26.0
	agree	173	44.1	44.9	70.9
	no opinion/can't tell	42	10.7	10.9	81.8
	disagree	64	16.3	16.6	98.4
	strongly disagree	6	1.5	1.6	100.0
	Total	385	98.2	100.0	
Missing	no response	7	1.8		
Total		392	100.0		

**Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	strongly agree	101	25.8	26.3	26.3
	agree	124	31.6	32.3	58.6
	no opinion/can't tell	118	30.1	30.7	89.3
	disagree	34	8.7	8.9	98.2
	strongly disagree	7	1.8	1.8	100.0
	Total	384	98.0	100.0	
Missing	no response	8	2.0		
Total		392	100.0		

**Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	strongly agree	86	21.9	22.4	22.4
	agree	97	24.7	25.3	47.7
	no opinion/can't tell	92	23.5	24.0	71.6
	disagree	71	18.1	18.5	90.1
	strongly disagree	38	9.7	9.9	100.0
	Total	384	98.0	100.0	
Missing	no response	8	2.0		
Total		392	100.0		

**Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	strongly agree	57	14.5	14.8	14.8
	agree	173	44.1	44.8	59.6
	no opinion/can't tell	16	4.1	4.1	63.7
	disagree	104	26.5	26.9	90.7
	strongly disagree	36	9.2	9.3	100.0
	Total	386	98.5	100.0	
Missing	no response	6	1.5		
Total		392	100.0		

**"No changes are needed to 7th Avenue or 7th Street"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	False	340	86.7	86.7	86.7
	True	52	13.3	13.3	100.0
	Total	392	100.0	100.0	

**"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	False	244	62.2	62.2	62.2
	True	148	37.8	37.8	100.0
	Total	392	100.0	100.0	

**"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	False	248	63.3	63.3	63.3
	True	144	36.7	36.7	100.0
	Total	392	100.0	100.0	

**"Make the reverse lane operate only in the morning (6-9am, M-F)"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	False	359	91.6	91.6	91.6
	True	33	8.4	8.4	100.0
	Total	392	100.0	100.0	

**"Make the reverse lane operate only in the afternoon (4-6pm, M-F)"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	False	381	97.2	97.2	97.2
	True	11	2.8	2.8	100.0
	Total	392	100.0	100.0	

**"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	False	213	54.3	54.3	54.3
	True	179	45.7	45.7	100.0
	Total	392	100.0	100.0	

**"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	False	214	54.6	54.6	54.6
	True	178	45.4	45.4	100.0
	Total	392	100.0	100.0	

**"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	False	243	62.0	62.0	62.0
	True	149	38.0	38.0	100.0
	Total	392	100.0	100.0	

**"Add more left-turn arrows along 7th Avenue and 7th Street"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	False	193	49.2	49.2	49.2
	True	199	50.8	50.8	100.0
	Total	392	100.0	100.0	

**"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	False	326	83.2	83.2	83.2
	True	66	16.8	16.8	100.0
	Total	392	100.0	100.0	

**"Remove reverse lane and widen 7th Street to provide an additional southbound lane"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	False	328	83.7	83.7	83.7
	True	64	16.3	16.3	100.0
	Total	392	100.0	100.0	

**"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	False	308	78.6	78.6	78.6
	True	84	21.4	21.4	100.0
	Total	392	100.0	100.0	

**Zip Code**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	85003	52	13.3	13.5	13.5
	85006	23	5.9	6.0	19.4
	85012	43	11.0	11.1	30.6
	85013	37	9.4	9.6	40.2
	85014	12	3.1	3.1	43.3
	85015	62	15.8	16.1	59.3
	85020	106	27.0	27.5	86.8
	85021	51	13.0	13.2	100.0
	Total	386	98.5	100.0	
	Missing	0	5	1.3	
System		1	.3		
Total		6	1.5		
Total		392	100.0		

### Age Group

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid No response	21	5.4	5.4	5.4
<20	1	.3	.3	5.6
20 - 29	26	6.6	6.6	12.2
30 - 39	54	13.8	13.8	26.0
40 - 49	89	22.7	22.7	48.7
50 - 59	86	21.9	21.9	70.7
60 - 69	58	14.8	14.8	85.5
>70	57	14.5	14.5	100.0
Total	392	100.0	100.0	

### Vehicles in Household

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0	40	10.2	10.2	10.2
1	109	27.8	27.8	38.0
2	171	43.6	43.6	81.6
3	49	12.5	12.5	94.1
4	16	4.1	4.1	98.2
5	3	.8	.8	99.0
6	2	.5	.5	99.5
7	2	.5	.5	100.0
Total	392	100.0	100.0	

### Number of Adults

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0	35	8.9	8.9	8.9
1	113	28.8	28.8	37.8
2	202	51.5	51.5	89.3
3	32	8.2	8.2	97.4
4	6	1.5	1.5	99.0
5	3	.8	.8	99.7
7	1	.3	.3	100.0
Total	392	100.0	100.0	

### Number of Children

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0	320	81.6	81.6	81.6
1	32	8.2	8.2	89.8
2	26	6.6	6.6	96.4
3	10	2.6	2.6	99.0
4	4	1.0	1.0	100.0
Total	392	100.0	100.0	

### Employment Status

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid No response	21	5.4	5.4	5.4
Employed - Full Time	249	63.5	63.5	68.9
Employed - Part Time	18	4.6	4.6	73.5
Student	10	2.6	2.6	76.0
Unemployed - Retired - Homemaker	94	24.0	24.0	100.0
Total	392	100.0	100.0	

### Household Income

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid No response	55	14.0	14.0	14.0
< 15,000	2	.5	.5	14.5
15,000 to 25,000	9	2.3	2.3	16.8
25,000 to 50,000	62	15.8	15.8	32.7
50,000 to 75,000	75	19.1	19.1	51.8
75,000 to 100,000	50	12.8	12.8	64.5
100,000 to 150,000	65	16.6	16.6	81.1
>150,000	67	17.1	17.1	98.2
Don't know	7	1.8	1.8	100.0
Total	392	100.0	100.0	

### Vehicle per Adult

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid .00	29	7.4	8.1	8.1
.50	16	4.1	4.5	12.6
.60	1	.3	.3	12.9
.67	9	2.3	2.5	15.4
.75	2	.5	.6	16.0
.80	2	.5	.6	16.5
1.00	230	58.7	64.4	81.0
1.25	1	.3	.3	81.2
1.33	3	.8	.8	82.1
1.50	25	6.4	7.0	89.1
2.00	32	8.2	9.0	98.0
2.50	2	.5	.6	98.6
3.00	4	1.0	1.1	99.7
3.50	1	.3	.3	100.0
Total	357	91.1	100.0	
Missing System	35	8.9		
Total	392	100.0		

**Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	-1.00	18	4.6	4.6	4.6
	-.88	18	4.6	4.6	9.2
	-.75	21	5.4	5.4	14.5
	-.63	17	4.3	4.3	18.9
	-.50	39	9.9	9.9	28.8
	-.38	44	11.2	11.2	40.1
	-.25	35	8.9	8.9	49.0
	-.13	25	6.4	6.4	55.4
	.00	36	9.2	9.2	64.5
	.13	20	5.1	5.1	69.6
	.25	27	6.9	6.9	76.5
	.38	22	5.6	5.6	82.1
	.50	28	7.1	7.1	89.3
	.63	20	5.1	5.1	94.4
	.75	6	1.5	1.5	95.9
	.88	8	2.0	2.0	98.0
	1.00	8	2.0	2.0	100.0
	Total	392	100.0	100.0	

**Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	-1.00	5	1.3	1.3	1.3
	-.88	20	5.1	5.1	6.4
	-.75	14	3.6	3.6	9.9
	-.63	32	8.2	8.2	18.1
	-.50	48	12.2	12.2	30.4
	-.38	57	14.5	14.5	44.9
	-.25	61	15.6	15.6	60.5
	-.13	43	11.0	11.0	71.4
	.00	41	10.5	10.5	81.9
	.13	11	2.8	2.8	84.7
	.25	24	6.1	6.1	90.8
	.38	15	3.8	3.8	94.6
	.50	9	2.3	2.3	96.9
	.63	6	1.5	1.5	98.5
	.75	5	1.3	1.3	99.7
	.88	1	.3	.3	100.0
	Total	392	100.0	100.0	

**Street**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	7	1.8	1.8	1.8
10th St	1	.3	.3	2.0
12th St	39	9.9	9.9	12.0
13th St	1	.3	.3	12.2
14th St	1	.3	.3	12.5
15th Ave	18	4.6	4.6	17.1
16th St	6	1.5	1.5	18.6
17th Ave	2	.5	.5	19.1
18th Ave	1	.3	.3	19.4
19th Ave	20	5.1	5.1	24.5
3rd Ave	5	1.3	1.3	25.8
5th Ave	1	.3	.3	26.0
5th St	1	.3	.3	26.3
7th Ave	129	32.9	32.9	59.2
7th St	107	27.3	27.3	86.5
Central	53	13.5	13.5	100.0
Total	392	100.0	100.0	

**Cross\_Street**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	8	2.0	2.0	2.0
Bethany Home	23	5.9	5.9	7.9
Butler	2	.5	.5	8.4
Camelback	7	1.8	1.8	10.2
Dunlap	12	3.1	3.1	13.3
Glendale	109	27.8	27.8	41.1
Highland	5	1.3	1.3	42.3
Indian School	33	8.4	8.4	50.8
Maryland	16	4.1	4.1	54.8
McDowell	1	.3	.3	55.1
Missouri	16	4.1	4.1	59.2
Mitchell	2	.5	.5	59.7
Northern	41	10.5	10.5	70.2
Oak	3	.8	.8	70.9
Osborn	10	2.6	2.6	73.5
Thomas	99	25.3	25.3	98.7
Virginia	4	1.0	1.0	99.7
Wilshire	1	.3	.3	100.0
Total	392	100.0	100.0	

**North to South Location**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	SOUTH: South of Indian School	152	38.8	39.6	39.6
	NORTH: North of Northern	55	14.0	14.3	53.9
	MIDDLE: Indian School to Glendale	177	45.2	46.1	100.0
	Total	384	98.0	100.0	
Missing	No response	8	2.0		
Total		392	100.0		

**Within 1/2 Mile of 7th Avenue or 7th Street**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Greater than 1/2 Mile from 7th Ave. or 7th St.	39	9.9	9.9	9.9
	Closer than 1/2 Mile to 7th Ave. or 7th St.	353	90.1	90.1	100.0
	Total	392	100.0	100.0	

**On Central Avenue or East**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	West of Central Ave.	235	59.9	59.9	59.9
	Central Ave or East	157	40.1	40.1	100.0
	Total	392	100.0	100.0	

**On Central Avenue or West**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	East of Central Ave.	218	55.6	55.6	55.6
	Central Ave or West	174	44.4	44.4	100.0
	Total	392	100.0	100.0	

**On Central Avenue**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not on Central Ave.	339	86.5	86.5	86.5
	On Central Avenue	53	13.5	13.5	100.0
	Total	392	100.0	100.0	

**East or Central or West**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	West of Central	174	44.4	45.3	45.3
	On/Near Central	53	13.5	13.8	59.1
	East of Central	157	40.1	40.9	100.0
	Total	384	98.0	100.0	
Missing	No Response	7	1.8		
	System	1	.3		
	Total	8	2.0		
Total		392	100.0		

**MEANS**

```

TABLES=Rules_understandable No_changes_needed Remove_7th_ave
Remove_7th_street Morning_only Afternoon_only
Change_overhead_signs_electronic Warning_beacons
Increase_enforcement
Add_more_left_turn_opportunities Reverse_lanes_are_safe
Reverse_lane_is_faster Reverse_lane_more_convenient
Vehicles_stopped_in_lanes Vehicles_making_illegal_lefts
Cut_throughs
Congestion_worse_without_lanes Remove_lanes_widen_7th_Ave
Remove_lanes_widen_7th_street Add_traffic_calming
Do_you_use_streets_during_peak Use_of_reverse_lanes
Lane_Attitude_Index
Lane_Experience_Index BY Zip_Code Street Cross_Street
South_Mid_North
Near East_West_Central
/CELLS MEAN
/STATISTICS ANOVA .

```

**Means**

```

[DataSet1] C:\Documents and Settings\agolub1\My Documents
\Phoenix Center Lanes\Survey Analysis\Resident Survey
Analysis.sav

```

### Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * Zip Code	381	97.2%	11	2.8%	392	100.0%
"No changes are needed to 7th Avenue or 7th Street" * Zip Code	386	98.5%	6	1.5%	392	100.0%
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * Zip Code	386	98.5%	6	1.5%	392	100.0%
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * Zip Code	386	98.5%	6	1.5%	392	100.0%
"Make the reverse lane operate only in the morning (6-9am, M-F)" * Zip Code	386	98.5%	6	1.5%	392	100.0%
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * Zip Code	386	98.5%	6	1.5%	392	100.0%
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" * Zip Code	386	98.5%	6	1.5%	392	100.0%
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" * Zip Code	386	98.5%	6	1.5%	392	100.0%
"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" * Zip Code	386	98.5%	6	1.5%	392	100.0%
"Add more left-turn arrows along 7th Avenue and 7th Street" * Zip Code	386	98.5%	6	1.5%	392	100.0%
Agree or Disagree: "The reverse lanes are safe" * Zip Code	379	96.7%	13	3.3%	392	100.0%
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes" * Zip Code	379	96.7%	13	3.3%	392	100.0%

### Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" * Zip Code	377	96.2%	15	3.8%	392	100.0%
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" * Zip Code	378	96.4%	14	3.6%	392	100.0%
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" * Zip Code	379	96.7%	13	3.3%	392	100.0%
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" * Zip Code	378	96.4%	14	3.6%	392	100.0%
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" * Zip Code	378	96.4%	14	3.6%	392	100.0%
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * Zip Code	386	98.5%	6	1.5%	392	100.0%
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * Zip Code	386	98.5%	6	1.5%	392	100.0%
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" * Zip Code	386	98.5%	6	1.5%	392	100.0%
Do you use streets during reverse lane times? * Zip Code	386	98.5%	6	1.5%	392	100.0%
Do you use the reverse lanes? * Zip Code	386	98.5%	6	1.5%	392	100.0%
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * Zip Code	386	98.5%	6	1.5%	392	100.0%
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * Zip Code	386	98.5%	6	1.5%	392	100.0%

**Case Processing Summary**

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * Street	386	98.5%	6	1.5%	392	100.0%
"No changes are needed to 7th Avenue or 7th Street" * Street	392	100.0%	0	.0%	392	100.0%
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * Street	392	100.0%	0	.0%	392	100.0%
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * Street	392	100.0%	0	.0%	392	100.0%
"Make the reverse lane operate only in the morning (6-9am, M-F)" * Street	392	100.0%	0	.0%	392	100.0%
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * Street	392	100.0%	0	.0%	392	100.0%
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" * Street	392	100.0%	0	.0%	392	100.0%
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" * Street	392	100.0%	0	.0%	392	100.0%
"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" * Street	392	100.0%	0	.0%	392	100.0%
"Add more left-turn arrows along 7th Avenue and 7th Street" * Street	392	100.0%	0	.0%	392	100.0%
Agree or Disagree: "The reverse lanes are safe" * Street	385	98.2%	7	1.8%	392	100.0%
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes" * Street	385	98.2%	7	1.8%	392	100.0%
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" * Street	383	97.7%	9	2.3%	392	100.0%

### Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" * Street	384	98.0%	8	2.0%	392	100.0%
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" * Street	385	98.2%	7	1.8%	392	100.0%
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" * Street	384	98.0%	8	2.0%	392	100.0%
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" * Street	384	98.0%	8	2.0%	392	100.0%
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * Street	392	100.0%	0	.0%	392	100.0%
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * Street	392	100.0%	0	.0%	392	100.0%
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" * Street	392	100.0%	0	.0%	392	100.0%
Do you use streets during reverse lane times? * Street	392	100.0%	0	.0%	392	100.0%
Do you use the reverse lanes? * Street	392	100.0%	0	.0%	392	100.0%
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * Street	392	100.0%	0	.0%	392	100.0%
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * Street	392	100.0%	0	.0%	392	100.0%
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * Cross_Street	386	98.5%	6	1.5%	392	100.0%

### Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
"No changes are needed to 7th Avenue or 7th Street" * Cross_Street	392	100.0%	0	.0%	392	100.0%
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * Cross_Street	392	100.0%	0	.0%	392	100.0%
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * Cross_Street	392	100.0%	0	.0%	392	100.0%
"Make the reverse lane operate only in the morning (6-9am, M-F)" * Cross_Street	392	100.0%	0	.0%	392	100.0%
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * Cross_Street	392	100.0%	0	.0%	392	100.0%
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" * Cross_Street	392	100.0%	0	.0%	392	100.0%
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" * Cross_Street	392	100.0%	0	.0%	392	100.0%
"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" * Cross_Street	392	100.0%	0	.0%	392	100.0%
"Add more left-turn arrows along 7th Avenue and 7th Street" * Cross_Street	392	100.0%	0	.0%	392	100.0%
Agree or Disagree: "The reverse lanes are safe" * Cross_Street	385	98.2%	7	1.8%	392	100.0%
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes" * Cross_Street	385	98.2%	7	1.8%	392	100.0%
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" * Cross_Street	383	97.7%	9	2.3%	392	100.0%
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" * Cross_Street	384	98.0%	8	2.0%	392	100.0%

### Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" * Cross_Street	385	98.2%	7	1.8%	392	100.0%
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" * Cross_Street	384	98.0%	8	2.0%	392	100.0%
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" * Cross_Street	384	98.0%	8	2.0%	392	100.0%
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * Cross_Street	392	100.0%	0	.0%	392	100.0%
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * Cross_Street	392	100.0%	0	.0%	392	100.0%
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" * Cross_Street	392	100.0%	0	.0%	392	100.0%
Do you use streets during reverse lane times? * Cross_Street	392	100.0%	0	.0%	392	100.0%
Do you use the reverse lanes? * Cross_Street	392	100.0%	0	.0%	392	100.0%
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * Cross_Street	392	100.0%	0	.0%	392	100.0%
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * Cross_Street	392	100.0%	0	.0%	392	100.0%
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * North to South Location	379	96.7%	13	3.3%	392	100.0%

### Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
"No changes are needed to 7th Avenue or 7th Street" * North to South Location	384	98.0%	8	2.0%	392	100.0%
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * North to South Location	384	98.0%	8	2.0%	392	100.0%
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * North to South Location	384	98.0%	8	2.0%	392	100.0%
"Make the reverse lane operate only in the morning (6-9am, M-F)" * North to South Location	384	98.0%	8	2.0%	392	100.0%
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * North to South Location	384	98.0%	8	2.0%	392	100.0%
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" * North to South Location	384	98.0%	8	2.0%	392	100.0%
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" * North to South Location	384	98.0%	8	2.0%	392	100.0%
"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" * North to South Location	384	98.0%	8	2.0%	392	100.0%
"Add more left-turn arrows along 7th Avenue and 7th Street" * North to South Location	384	98.0%	8	2.0%	392	100.0%
Agree or Disagree: "The reverse lanes are safe" * North to South Location	377	96.2%	15	3.8%	392	100.0%
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes" * North to South Location	377	96.2%	15	3.8%	392	100.0%
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" * North to South Location	375	95.7%	17	4.3%	392	100.0%

### Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" * North to South Location	376	95.9%	16	4.1%	392	100.0%
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" * North to South Location	377	96.2%	15	3.8%	392	100.0%
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" * North to South Location	376	95.9%	16	4.1%	392	100.0%
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" * North to South Location	376	95.9%	16	4.1%	392	100.0%
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * North to South Location	384	98.0%	8	2.0%	392	100.0%
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * North to South Location	384	98.0%	8	2.0%	392	100.0%
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" * North to South Location	384	98.0%	8	2.0%	392	100.0%
Do you use streets during reverse lane times? * North to South Location	384	98.0%	8	2.0%	392	100.0%
Do you use the reverse lanes? * North to South Location	384	98.0%	8	2.0%	392	100.0%
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * North to South Location	384	98.0%	8	2.0%	392	100.0%
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * North to South Location	384	98.0%	8	2.0%	392	100.0%

### Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * Within 1/2 Mile of 7th Avenue or 7th Street	386	98.5%	6	1.5%	392	100.0%
"No changes are needed to 7th Avenue or 7th Street" * Within 1/2 Mile of 7th Avenue or 7th Street	392	100.0%	0	.0%	392	100.0%
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * Within 1/2 Mile of 7th Avenue or 7th Street	392	100.0%	0	.0%	392	100.0%
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * Within 1/2 Mile of 7th Avenue or 7th Street	392	100.0%	0	.0%	392	100.0%
"Make the reverse lane operate only in the morning (6-9am, M-F)" * Within 1/2 Mile of 7th Avenue or 7th Street	392	100.0%	0	.0%	392	100.0%
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * Within 1/2 Mile of 7th Avenue or 7th Street	392	100.0%	0	.0%	392	100.0%
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" * Within 1/2 Mile of 7th Avenue or 7th Street	392	100.0%	0	.0%	392	100.0%
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" * Within 1/2 Mile of 7th Avenue or 7th Street	392	100.0%	0	.0%	392	100.0%
"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" * Within 1/2 Mile of 7th Avenue or 7th Street	392	100.0%	0	.0%	392	100.0%

**Case Processing Summary**

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
"Add more left-turn arrows along 7th Avenue and 7th Street" * Within 1/2 Mile of 7th Avenue or 7th Street	392	100.0%	0	.0%	392	100.0%
Agree or Disagree: "The reverse lanes are safe" * Within 1/2 Mile of 7th Avenue or 7th Street	385	98.2%	7	1.8%	392	100.0%
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes" * Within 1/2 Mile of 7th Avenue or 7th Street	385	98.2%	7	1.8%	392	100.0%
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" * Within 1/2 Mile of 7th Avenue or 7th Street	383	97.7%	9	2.3%	392	100.0%
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" * Within 1/2 Mile of 7th Avenue or 7th Street	384	98.0%	8	2.0%	392	100.0%
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" * Within 1/2 Mile of 7th Avenue or 7th Street	385	98.2%	7	1.8%	392	100.0%
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" * Within 1/2 Mile of 7th Avenue or 7th Street	384	98.0%	8	2.0%	392	100.0%
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" * Within 1/2 Mile of 7th Avenue or 7th Street	384	98.0%	8	2.0%	392	100.0%
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * Within 1/2 Mile of 7th Avenue or 7th Street	392	100.0%	0	.0%	392	100.0%

### Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * Within 1/2 Mile of 7th Avenue or 7th Street	392	100.0%	0	.0%	392	100.0%
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" * Within 1/2 Mile of 7th Avenue or 7th Street	392	100.0%	0	.0%	392	100.0%
Do you use streets during reverse lane times? * Within 1/2 Mile of 7th Avenue or 7th Street	392	100.0%	0	.0%	392	100.0%
Do you use the reverse lanes? * Within 1/2 Mile of 7th Avenue or 7th Street	392	100.0%	0	.0%	392	100.0%
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * Within 1/2 Mile of 7th Avenue or 7th Street	392	100.0%	0	.0%	392	100.0%
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * Within 1/2 Mile of 7th Avenue or 7th Street	392	100.0%	0	.0%	392	100.0%
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * East or Central or West	379	96.7%	13	3.3%	392	100.0%
"No changes are needed to 7th Avenue or 7th Street" * East or Central or West	384	98.0%	8	2.0%	392	100.0%
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * East or Central or West	384	98.0%	8	2.0%	392	100.0%
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * East or Central or West	384	98.0%	8	2.0%	392	100.0%
"Make the reverse lane operate only in the morning (6-9am, M-F)" * East or Central or West	384	98.0%	8	2.0%	392	100.0%

**Case Processing Summary**

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * East or Central or West	384	98.0%	8	2.0%	392	100.0%
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" * East or Central or West	384	98.0%	8	2.0%	392	100.0%
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" * East or Central or West	384	98.0%	8	2.0%	392	100.0%
"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" * East or Central or West	384	98.0%	8	2.0%	392	100.0%
"Add more left-turn arrows along 7th Avenue and 7th Street" * East or Central or West	384	98.0%	8	2.0%	392	100.0%
Agree or Disagree: "The reverse lanes are safe" * East or Central or West	377	96.2%	15	3.8%	392	100.0%
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes" * East or Central or West	377	96.2%	15	3.8%	392	100.0%
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" * East or Central or West	375	95.7%	17	4.3%	392	100.0%
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" * East or Central or West	376	95.9%	16	4.1%	392	100.0%
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" * East or Central or West	377	96.2%	15	3.8%	392	100.0%
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" * East or Central or West	376	95.9%	16	4.1%	392	100.0%

**Case Processing Summary**

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" * East or Central or West	376	95.9%	16	4.1%	392	100.0%
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * East or Central or West	384	98.0%	8	2.0%	392	100.0%
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * East or Central or West	384	98.0%	8	2.0%	392	100.0%
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" * East or Central or West	384	98.0%	8	2.0%	392	100.0%
Do you use streets during reverse lane times? * East or Central or West	384	98.0%	8	2.0%	392	100.0%
Do you use the reverse lanes? * East or Central or West	384	98.0%	8	2.0%	392	100.0%
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * East or Central or West	384	98.0%	8	2.0%	392	100.0%
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * East or Central or West	384	98.0%	8	2.0%	392	100.0%

**Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" "No changes are needed to 7th Avenue or 7th Street" "Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" "Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" "Make the reverse lane operate only in the morning (6-9am, M-F)" "Make the reverse lane operate only in the afternoon (4-6pm, M-F)" "Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" "Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" "Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" "Add more left-turn arrows along 7th Avenue and 7th Street" Agree or Disagree: "The reverse lanes are safe" Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other**

lanes" Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" "Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" "Remove reverse lane and widen 7th Street to provide an additional southbound lane" "Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" Do you use streets during reverse lane times? Do you use the reverse lanes? Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) \* Zip Code

Report

Mean

Zip Code	Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable"	"No changes are needed to 7th Avenue or 7th Street"	"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation"	"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation"	"Make the reverse lane operate only in the morning (6-9am, M-F)"	"Make the reverse lane operate only in the afternoon (4-6pm, M-F)"
85003	2.82	.06	.46	.38	.00	.02
85006	3.26	.04	.39	.48	.09	.00
85012	3.14	.02	.42	.47	.16	.05
85013	2.27	.14	.35	.27	.05	.03
85014	3.42	.17	.17	.33	.08	.00
85015	2.82	.06	.45	.39	.10	.02
85020	2.42	.19	.32	.36	.08	.03
85021	2.73	.24	.37	.31	.12	.06
Total	2.73	.12	.38	.37	.09	.03

**Report**

Mean

Zip Code	"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation"	"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect"	"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes"	"Add more left-turn arrows along 7th Avenue and 7th Street"	Agree or Disagree: "The reverse lanes are safe"	Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes"
85003	.50	.44	.19	.46	3.76	3.41
85006	.35	.43	.30	.35	4.09	3.39
85012	.47	.47	.37	.60	3.86	3.05
85013	.38	.30	.32	.38	3.03	2.62
85014	.50	.58	.67	.58	4.08	3.17
85015	.40	.45	.39	.56	3.69	3.18
85020	.46	.48	.42	.57	3.44	2.93
85021	.59	.55	.49	.47	3.37	2.90
Total	.46	.46	.38	.51	3.58	3.05

**Report**

Mean

Zip Code	Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby"	Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours"	Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours"	Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods"	Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours"	"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane"
85003	3.90	2.20	2.30	2.32	2.78	.08
85006	3.91	2.00	1.78	2.18	3.14	.13
85012	3.93	1.98	1.88	2.07	3.14	.33
85013	3.43	2.69	2.54	2.49	2.47	.27
85014	3.33	2.17	2.00	2.33	2.83	.25
85015	3.75	2.02	2.07	2.07	2.90	.23
85020	3.48	2.35	2.33	2.34	2.43	.13
85021	3.44	2.53	2.47	2.35	2.43	.08
Total	3.64	2.26	2.23	2.27	2.69	.17

## Report

Mean

Zip Code	"Remove reverse lane and widen 7th Street to provide an additional southbound lane"	"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods"	Do you use streets during reverse lane times?	Do you use the reverse lanes?	Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative)	Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative)
85003	.08	.23	3.15	2.08	-.2284	-.2428
85006	.13	.30	3.17	2.00	-.3152	-.4076
85012	.35	.28	3.35	2.40	-.2442	-.4012
85013	.16	.14	3.24	2.43	.0574	-.0676
85014	.25	.17	3.00	2.50	-.1771	-.3646
85015	.21	.32	2.82	2.26	-.1855	-.3246
85020	.14	.18	2.98	2.26	-.0342	-.1686
85021	.10	.12	3.27	2.51	-.0172	-.1716
Total	.17	.22	3.10	2.29	-.1182	-.2406

ANOVA Table

			Sum of Squares	df	Mean Square
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * Zip Code	Between Groups (Combined)		37.850	7	5.407
	Within Groups		571.761	373	1.533
	Total		609.612	380	
"No changes are needed to 7th Avenue or 7th Street" * Zip Code	Between Groups (Combined)		2.135	7	.305
	Within Groups		39.896	378	.106
	Total		42.031	385	
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * Zip Code	Between Groups (Combined)		1.682	7	.240
	Within Groups		89.336	378	.236
	Total		91.018	385	
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * Zip Code	Between Groups (Combined)		1.247	7	.178
	Within Groups		88.776	378	.235
	Total		90.023	385	
"Make the reverse lane operate only in the morning (6-9am, M-F)" * Zip Code	Between Groups (Combined)		.734	7	.105
	Within Groups		29.444	378	.078
	Total		30.179	385	
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * Zip Code	Between Groups (Combined)		.103	7	.015
	Within Groups		10.583	378	.028
	Total		10.687	385	
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" *	Between Groups (Combined)		1.678	7	.240
	Within Groups		94.239	378	.249
	Total		95.917	385	
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse	Between Groups (Combined)		1.649	7	.236
	Within Groups		94.268	378	.249
	Total		95.917	385	
"Increase enforcement against vehicles making illegal left turns at signalized intersections	Between Groups (Combined)		3.819	7	.546
	Within Groups		86.958	378	.230
	Total		90.777	385	
"Add more left-turn arrows along 7th Avenue and 7th Street" * Zip Code	Between Groups (Combined)		2.411	7	.344
	Within Groups		94.024	378	.249
	Total		96.435	385	
Agree or Disagree: "The reverse lanes are safe" * Zip Code	Between Groups (Combined)		30.110	7	4.301
	Within Groups		540.186	371	1.456
	Total		570.296	378	
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the	Between Groups (Combined)		19.932	7	2.847
	Within Groups		532.115	371	1.434
	Total		552.047	378	
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" * Zip	Between Groups (Combined)		17.034	7	2.433
	Within Groups		491.624	369	1.332
	Total		508.658	376	
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane	Between Groups (Combined)		19.739	7	2.820
	Within Groups		353.332	370	.955
	Total		373.071	377	

**ANOVA Table**

			Sum of Squares	df	Mean Square
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during	Between Groups (Combined)		19.792	7	2.827
	Within Groups		407.237	371	1.098
	Total		427.029	378	
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through	Between Groups (Combined)		7.248	7	1.035
	Within Groups		377.228	370	1.020
	Total		384.476	377	
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during	Between Groups (Combined)		28.443	7	4.063
	Within Groups		581.959	370	1.573
	Total		610.402	377	
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * Zip	Between Groups (Combined)		2.749	7	.393
	Within Groups		51.966	378	.137
	Total		54.715	385	
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * Zip	Between Groups (Combined)		2.382	7	.340
	Within Groups		51.007	378	.135
	Total		53.389	385	
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles	Between Groups (Combined)		1.974	7	.282
	Within Groups		63.179	378	.167
	Total		65.153	385	
Do you use streets during reverse lane times? * Zip Code	Between Groups (Combined)		11.634	7	1.662
	Within Groups		453.819	378	1.201
	Total		465.453	385	
Do you use the reverse lanes? * Zip Code	Between Groups (Combined)		8.647	7	1.235
	Within Groups		423.272	378	1.120
	Total		431.920	385	
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * Zip Code	Between Groups (Combined)		4.939	7	.706
	Within Groups		93.403	378	.247
	Total		98.342	385	
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * Zip Code	Between Groups (Combined)		4.272	7	.610
	Within Groups		50.085	378	.132
	Total		54.357	385	

ANOVA Table

			F	Sig.
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * Zip Code	Between Groups Within Groups Total	(Combined)	3.527	.001
"No changes are needed to 7th Avenue or 7th Street" * Zip Code	Between Groups Within Groups Total	(Combined)	2.890	.006
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * Zip Code	Between Groups Within Groups Total	(Combined)	1.017	.419
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * Zip Code	Between Groups Within Groups Total	(Combined)	.759	.622
"Make the reverse lane operate only in the morning (6-9am, M-F)" * Zip Code	Between Groups Within Groups Total	(Combined)	1.347	.227
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * Zip Code	Between Groups Within Groups Total	(Combined)	.527	.814
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" *	Between Groups Within Groups Total	(Combined)	.961	.459
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse	Between Groups Within Groups Total	(Combined)	.945	.472
"Increase enforcement against vehicles making illegal left turns at signalized intersections	Between Groups Within Groups Total	(Combined)	2.371	.022
"Add more left-turn arrows along 7th Avenue and 7th Street" * Zip Code	Between Groups Within Groups Total	(Combined)	1.385	.210
Agree or Disagree: "The reverse lanes are safe" * Zip Code	Between Groups Within Groups Total	(Combined)	2.954	.005
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the	Between Groups Within Groups Total	(Combined)	1.985	.056
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" * Zip	Between Groups Within Groups Total	(Combined)	1.826	.081
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane	Between Groups Within Groups Total	(Combined)	2.953	.005

**ANOVA Table**

			F	Sig.
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane times" * Zip Code	Between Groups Within Groups Total	(Combined)	2.576	.013
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through" * Zip Code	Between Groups Within Groups Total	(Combined)	1.016	.420
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during reverse lane times" * Zip Code	Between Groups Within Groups Total	(Combined)	2.583	.013
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * Zip Code	Between Groups Within Groups Total	(Combined)	2.857	.006
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * Zip Code	Between Groups Within Groups Total	(Combined)	2.522	.015
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through" * Zip Code	Between Groups Within Groups Total	(Combined)	1.687	.111
Do you use streets during reverse lane times? * Zip Code	Between Groups Within Groups Total	(Combined)	1.384	.210
Do you use the reverse lanes? * Zip Code	Between Groups Within Groups Total	(Combined)	1.103	.360
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * Zip Code	Between Groups Within Groups Total	(Combined)	2.855	.006
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * Zip Code	Between Groups Within Groups Total	(Combined)	4.606	.000

**Measures of Association**

	Eta	Eta Squared
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * Zip Code	.249	.062
"No changes are needed to 7th Avenue or 7th Street" * Zip Code	.225	.051
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * Zip Code	.136	.018
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * Zip Code	.118	.014

**Measures of Association**

	Eta	Eta Squared
"Make the reverse lane operate only in the morning (6-9am, M-F)" * Zip Code	.156	.024
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * Zip Code	.098	.010
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" * Zip Code	.132	.017
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" * Zip Code	.131	.017
"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" * Zip Code	.205	.042
"Add more left-turn arrows along 7th Avenue and 7th Street" * Zip Code	.158	.025
Agree or Disagree: "The reverse lanes are safe" * Zip Code	.230	.053
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes" * Zip Code	.190	.036
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" * Zip Code	.183	.033
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" * Zip Code	.230	.053
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" * Zip Code	.215	.046
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" * Zip Code	.137	.019

Measures of Association

	Eta	Eta Squared
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" * Zip Code	.216	.047
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * Zip Code	.224	.050
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * Zip Code	.211	.045
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" * Zip Code	.174	.030
Do you use streets during reverse lane times? * Zip Code	.158	.025
Do you use the reverse lanes? * Zip Code	.141	.020
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * Zip Code	.224	.050
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * Zip Code	.280	.079

**Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" "No changes are needed to 7th Avenue or 7th Street" "Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" "Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" "Make the reverse lane operate only in the morning (6-9am, M-F)" "Make the reverse lane operate only in the afternoon (4-6pm, M-F)" "Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" "Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" "Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" "Add more left-turn arrows along 7th Avenue and 7th Street" Agree or Disagree: "The reverse lanes are safe" Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes" Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" Agree or Disagree: "There are**

usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" "Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" "Remove reverse lane and widen 7th Street to provide an additional southbound lane" "Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" Do you use streets during reverse lane times? Do you use the reverse lanes? Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) \* Street

Report

Mean

Street	Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable"	"No changes are needed to 7th Avenue or 7th Street"	"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation"	"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation"	"Make the reverse lane operate only in the morning (6-9am, M-F)"	"Make the reverse lane operate only in the afternoon (4-6pm, M-F)"
	2.00	.57	.29	.29	.00	.14
10th St	5.00	.00	1.00	1.00	.00	.00
12th St	2.62	.08	.38	.44	.08	.05
13th St	5.00	.00	1.00	1.00	.00	.00
14th St	2.00	.00	.00	.00	.00	.00
15th Ave	2.67	.11	.56	.56	.11	.06
16th St	2.17	.00	.00	.00	.00	.00
17th Ave	3.00	.00	.50	.50	.00	.00
18th Ave	2.00	.00	1.00	1.00	.00	.00
19th Ave	2.68	.05	.30	.30	.10	.00
3rd Ave	2.40	.00	.20	.20	.00	.00
5th Ave	4.00	.00	1.00	1.00	.00	.00
5th St	4.00	.00	.00	.00	.00	.00
7th Ave	2.67	.12	.41	.30	.09	.03
7th St	2.90	.12	.36	.44	.13	.03
Central	2.59	.25	.32	.32	.02	.00
Total	2.71	.13	.38	.37	.08	.03

## Report

Mean

Street	"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation"	"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect"	"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes"	"Add more left-turn arrows along 7th Avenue and 7th Street"	Agree or Disagree: "The reverse lanes are safe"	Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes"
	.14	.14	.43	.29	2.57	3.00
10th St	.00	1.00	1.00	.00	5.00	5.00
12th St	.49	.51	.38	.54	3.68	3.05
13th St	.00	1.00	.00	1.00	3.00	3.00
14th St	1.00	.00	1.00	.00	2.00	3.00
15th Ave	.39	.39	.33	.72	4.00	3.50
16th St	1.00	.33	.67	.50	3.67	2.00
17th Ave	.50	1.00	.50	.50	3.00	3.00
18th Ave	1.00	1.00	.00	1.00	5.00	5.00
19th Ave	.40	.45	.45	.55	3.37	2.63
3rd Ave	.20	.00	.20	.20	3.20	3.00
5th Ave	.00	1.00	.00	.00	5.00	4.00
5th St	.00	1.00	.00	1.00	2.00	2.00
7th Ave	.48	.43	.36	.49	3.52	3.12
7th St	.41	.43	.39	.54	3.77	3.11
Central	.53	.57	.38	.43	3.25	2.78
Total	.46	.45	.38	.51	3.56	3.05

## Report

Mean

Street	Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby"	Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours"	Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours"	Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods"	Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours"	"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane"
	3.29	2.71	2.29	2.71	2.29	.14
10th St	5.00	2.00	2.00	2.00	5.00	1.00
12th St	3.79	2.39	2.34	2.24	2.81	.05
13th St	3.00	3.00	3.00	3.00	3.00	.00
14th St	4.00	3.00	2.00	1.00	3.00	.00
15th Ave	3.83	2.06	2.00	1.78	3.06	.33
16th St	2.50	2.00	2.33	2.50	2.00	.17
17th Ave	4.00	2.00	2.00	2.50	2.00	.00
18th Ave	5.00	2.00	5.00	3.00	4.00	1.00
19th Ave	3.63	2.05	2.00	2.11	2.84	.15
3rd Ave	3.60	3.00	2.00	2.75	2.40	.00
5th Ave	4.00	2.00	2.00	2.00	3.00	.00
5th St	4.00	2.00	2.00	2.00	4.00	.00
7th Ave	3.68	2.31	2.34	2.27	2.72	.16
7th St	3.65	2.12	2.01	2.32	2.72	.25
Central	3.43	2.43	2.45	2.34	2.31	.08
Total	3.64	2.27	2.23	2.28	2.68	.17

## Report

Mean

Street	"Remove reverse lane and widen 7th Street to provide an additional southbound lane"	"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods"	Do you use streets during reverse lane times?	Do you use the reverse lanes?	Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative)	Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative)
	.00	.29	3.00	2.57	.1071	-.0536
10th St	1.00	1.00	1.00	1.00	-1.0000	-.6250
12th St	.08	.18	3.28	2.10	-.1635	-.1955
13th St	.00	.00	1.00	1.00	.0000	-.2500
14th St	.00	1.00	1.00	2.00	.0000	-.2500
15th Ave	.33	.50	2.72	2.00	-.2986	-.3542
16th St	.17	.33	2.83	3.00	.2292	-.1667
17th Ave	.00	.00	3.00	2.00	.0000	-.3125
18th Ave	1.00	.00	2.00	1.00	-.8750	.2500
19th Ave	.15	.25	2.75	2.45	-.0563	-.3000
3rd Ave	.00	.00	2.80	1.80	-.0250	-.0500
5th Ave	.00	.00	2.00	2.00	-.5000	-.5000
5th St	.00	.00	3.00	3.00	.0000	-.5000
7th Ave	.14	.19	3.10	2.35	-.1250	-.2141
7th St	.26	.22	3.21	2.42	-.1542	-.3061
Central	.06	.17	3.17	2.11	.0259	-.1627
Total	.16	.21	3.09	2.30	-.1135	-.2376

ANOVA Table

			Sum of Squares	df	Mean Square
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * Street	Between Groups (Combined)		25.281	15	1.685
	Within Groups		591.800	370	1.599
	Total		617.080	385	
"No changes are needed to 7th Avenue or 7th Street" * Street	Between Groups (Combined)		2.643	15	.176
	Within Groups		42.459	376	.113
	Total		45.102	391	
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * Street	Between Groups (Combined)		3.962	15	.264
	Within Groups		88.161	376	.234
	Total		92.122	391	
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * Street	Between Groups (Combined)		5.028	15	.335
	Within Groups		86.074	376	.229
	Total		91.102	391	
"Make the reverse lane operate only in the morning (6-9am, M-F)" * Street	Between Groups (Combined)		.664	15	.044
	Within Groups		29.558	376	.079
	Total		30.222	391	
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * Street	Between Groups (Combined)		.200	15	.013
	Within Groups		10.491	376	.028
	Total		10.691	391	
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" *	Between Groups (Combined)		4.969	15	.331
	Within Groups		92.294	376	.245
	Total		97.263	391	
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse	Between Groups (Combined)		5.079	15	.339
	Within Groups		92.095	376	.245
	Total		97.173	391	
"Increase enforcement against vehicles making illegal left turns at signalized intersections	Between Groups (Combined)		2.273	15	.152
	Within Groups		90.092	376	.240
	Total		92.365	391	
"Add more left-turn arrows along 7th Avenue and 7th Street" * Street	Between Groups (Combined)		3.683	15	.246
	Within Groups		94.294	376	.251
	Total		97.977	391	
Agree or Disagree: "The reverse lanes are safe" * Street	Between Groups (Combined)		34.156	15	2.277
	Within Groups		554.659	369	1.503
	Total		588.816	384	
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the	Between Groups (Combined)		27.857	15	1.857
	Within Groups		535.302	369	1.451
	Total		563.158	384	
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" *	Between Groups (Combined)		17.376	15	1.158
	Within Groups		501.178	367	1.366
	Total		518.554	382	
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane	Between Groups (Combined)		12.211	15	.814
	Within Groups		369.162	368	1.003
	Total		381.372	383	
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during	Between Groups (Combined)		20.512	15	1.367
	Within Groups		411.374	369	1.115
	Total		431.886	384	
Agree or Disagree: "When	Between Groups (Combined)		11.004	15	.734

**ANOVA Table**

		Sum of Squares	df	Mean Square
Agree or Disagree: "When the reverse lanes are in	Within Groups	377.736	368	1.026
	Total	388.740	383	
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during	Between Groups (Combined)	25.179	15	1.679
	Within Groups	600.060	368	1.631
	Total	625.240	383	
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * Street	Between Groups (Combined)	3.966	15	.264
	Within Groups	50.922	376	.135
	Total	54.888	391	
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * Street	Between Groups (Combined)	4.407	15	.294
	Within Groups	49.144	376	.131
	Total	53.551	391	
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles	Between Groups (Combined)	3.621	15	.241
	Within Groups	62.379	376	.166
	Total	66.000	391	
Do you use streets during reverse lane times? * Street	Between Groups (Combined)	24.584	15	1.639
	Within Groups	448.110	376	1.192
	Total	472.694	391	
Do you use the reverse lanes? * Street	Between Groups (Combined)	17.922	15	1.195
	Within Groups	427.752	376	1.138
	Total	445.673	391	
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * Street	Between Groups (Combined)	4.669	15	.311
	Within Groups	96.436	376	.256
	Total	101.105	391	
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * Street	Between Groups (Combined)	2.242	15	.149
	Within Groups	52.776	376	.140
	Total	55.017	391	

ANOVA Table

			F	Sig.
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * Street	Between Groups Within Groups Total	(Combined)	1.054	.399
"No changes are needed to 7th Avenue or 7th Street" * Street	Between Groups Within Groups Total	(Combined)	1.561	.082
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * Street	Between Groups Within Groups Total	(Combined)	1.126	.330
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * Street	Between Groups Within Groups Total	(Combined)	1.464	.116
"Make the reverse lane operate only in the morning (6-9am, M-F)" * Street	Between Groups Within Groups Total	(Combined)	.563	.903
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * Street	Between Groups Within Groups Total	(Combined)	.479	.951
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" *	Between Groups Within Groups Total	(Combined)	1.349	.170
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse	Between Groups Within Groups Total	(Combined)	1.382	.153
"Increase enforcement against vehicles making illegal left turns at signalized intersections	Between Groups Within Groups Total	(Combined)	.632	.848
"Add more left-turn arrows along 7th Avenue and 7th Street" * Street	Between Groups Within Groups Total	(Combined)	.979	.477
Agree or Disagree: "The reverse lanes are safe" * Street	Between Groups Within Groups Total	(Combined)	1.515	.097
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the	Between Groups Within Groups Total	(Combined)	1.280	.212
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" *	Between Groups Within Groups Total	(Combined)	.848	.623
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane	Between Groups Within Groups Total	(Combined)	.811	.665
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during	Between Groups Within Groups Total	(Combined)	1.227	.249
Agree or Disagree: "When	Between Groups	(Combined)	.715	.770

**ANOVA Table**

			F	Sig.
Agree or Disagree: "When the reverse lanes are in	Within Groups Total			
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during	Between Groups (Combined) Within Groups Total		1.029	.424
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * Street	Between Groups (Combined) Within Groups Total		1.952	.018
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * Street	Between Groups (Combined) Within Groups Total		2.248	.005
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles	Between Groups (Combined) Within Groups Total		1.455	.119
Do you use streets during reverse lane times? * Street	Between Groups (Combined) Within Groups Total		1.375	.156
Do you use the reverse lanes? * Street	Between Groups (Combined) Within Groups Total		1.050	.402
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * Street	Between Groups (Combined) Within Groups Total		1.214	.258
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * Street	Between Groups (Combined) Within Groups Total		1.065	.388

**Measures of Association**

	Eta	Eta Squared
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * Street	.202	.041
"No changes are needed to 7th Avenue or 7th Street" * Street	.242	.059
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * Street	.207	.043
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * Street	.235	.055
"Make the reverse lane operate only in the morning (6-9am, M-F)" * Street	.148	.022

**Measures of Association**

	Eta	Eta Squared
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * Street	.137	.019
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" * Street	.226	.051
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" * Street	.229	.052
"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" * Street	.157	.025
"Add more left-turn arrows along 7th Avenue and 7th Street" * Street	.194	.038
Agree or Disagree: "The reverse lanes are safe" * Street	.241	.058
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes" * Street	.222	.049
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" * Street	.183	.034
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" * Street	.179	.032
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" * Street	.218	.047
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" * Street	.168	.028
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" * Street	.201	.040

Measures of Association

	Eta	Eta Squared
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * Street	.269	.072
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * Street	.287	.082
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" * Street	.234	.055
Do you use streets during reverse lane times? * Street	.228	.052
Do you use the reverse lanes? * Street	.201	.040
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * Street	.215	.046
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * Street	.202	.041

**Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" "No changes are needed to 7th Avenue or 7th Street" "Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" "Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" "Make the reverse lane operate only in the morning (6-9am, M-F)" "Make the reverse lane operate only in the afternoon (4-6pm, M-F)" "Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" "Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" "Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" "Add more left-turn arrows along 7th Avenue and 7th Street" Agree or Disagree: "The reverse lanes are safe" Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes" Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" "Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" "Remove reverse lane and widen 7th Street to**

provide an additional southbound lane" "Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" Do you use streets during reverse lane times? Do you use the reverse lanes? Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) \* Cross\_Street

Report

Mean

Cross_Street	Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable"	"No changes are needed to 7th Avenue or 7th Street"	"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation"	"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation"	"Make the reverse lane operate only in the morning (6-9am, M-F)"
	2.00	.50	.25	.25	.00
Bethany Home	2.00	.09	.35	.22	.09
Butler	2.50	.00	.50	.50	.00
Camelback	3.29	.14	.29	.43	.00
Dunlap	2.58	.42	.25	.25	.00
Glendale	2.50	.18	.35	.34	.11
Highland	3.60	.20	.00	.20	.20
Indian School	3.00	.03	.42	.48	.18
Maryland	3.13	.06	.44	.38	.25
McDowell	5.00	.00	1.00	1.00	.00
Missouri	2.63	.13	.38	.38	.00
Mitchell	4.50	.00	.00	.00	.00
Northern	2.46	.22	.32	.37	.07
Oak	3.00	.00	.33	.33	.00
Osborn	3.80	.00	.70	.50	.10
Thomas	2.91	.06	.43	.38	.03
Virginia	2.50	.00	.50	1.00	.25
Wilshire	1.00	.00	.00	.00	.00
Total	2.71	.13	.38	.37	.08

## Report

Mean

Cross_Street	"Make the reverse lane operate only in the afternoon (4-6pm, M-F)"	"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation"	"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect"	"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes"	"Add more left-turn arrows along 7th Avenue and 7th Street"	Agree or Disagree: "The reverse lanes are safe"
	.13	.25	.25	.50	.38	2.75
Bethany Home	.00	.39	.30	.39	.35	3.09
Butler	.00	.00	.50	.00	.50	3.50
Camelback	.00	.29	.43	.57	.71	4.29
Dunlap	.00	.42	.50	.58	.75	3.25
Glendale	.06	.55	.49	.47	.48	3.37
Highland	.00	.80	.80	.80	.40	3.80
Indian School	.03	.42	.42	.33	.61	3.91
Maryland	.00	.38	.38	.50	.75	3.93
McDowell	.00	.00	1.00	.00	1.00	3.00
Missouri	.00	.31	.25	.25	.44	3.19
Mitchell	.00	.50	1.00	.00	.50	3.00
Northern	.00	.39	.51	.32	.56	3.48
Oak	.00	.33	.00	.00	.33	4.33
Osborn	.10	.60	.50	.40	.40	4.20
Thomas	.02	.47	.47	.28	.46	3.76
Virginia	.00	.25	.50	.50	.75	4.50
Wilshire	.00	.00	.00	.00	1.00	2.00
Total	.03	.46	.45	.38	.51	3.56

## Report

Mean

Cross_Street	Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes"	Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby"	Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours"	Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours"	Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods"	Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours"
	3.00	3.25	2.63	2.25	2.63	2.13
Bethany Home	2.39	3.33	2.43	2.61	2.52	2.14
Butler	3.00	3.50	2.00	1.50	2.00	2.50
Camelback	3.57	3.71	2.43	2.14	2.57	3.00
Dunlap	3.00	3.42	2.00	1.75	2.55	2.33
Glendale	2.86	3.40	2.55	2.49	2.42	2.44
Highland	2.60	2.80	1.80	1.80	2.00	2.60
Indian School	3.09	3.97	2.03	1.94	2.15	3.09
Maryland	3.21	3.93	1.86	1.93	2.00	3.00
McDowell	3.00	3.00	3.00	3.00	3.00	3.00
Missouri	3.00	3.56	2.56	2.13	2.13	2.75
Mitchell	2.00	4.00	2.00	1.50	2.00	3.50
Northern	3.03	3.54	2.26	2.36	2.15	2.42
Oak	2.33	2.67	2.00	1.33	2.00	2.67
Osborn	3.60	3.90	1.80	1.50	1.80	3.60
Thomas	3.36	3.93	2.11	2.18	2.23	2.88
Virginia	3.00	4.25	1.25	1.50	1.50	4.00
Wilshire	4.00	4.00	5.00	4.00	4.00	4.00
Total	3.05	3.64	2.27	2.23	2.28	2.68

## Report

Mean

Cross_Street	"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane"	"Remove reverse lane and widen 7th Street to provide an additional southbound lane"	"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods"	Do you use streets during reverse lane times?	Do you use the reverse lanes?
	.13	.00	.25	3.13	2.63
Bethany Home	.26	.17	.22	3.22	2.57
Butler	.50	.50	.50	2.50	2.00
Camelback	.43	.43	.29	3.14	2.43
Dunlap	.25	.25	.25	2.92	2.50
Glendale	.09	.11	.16	3.22	2.43
Highland	.00	.00	.00	2.80	2.60
Indian School	.33	.36	.24	3.24	2.36
Maryland	.31	.25	.31	2.56	2.19
McDowell	.00	.00	.00	1.00	1.00
Missouri	.19	.13	.19	3.19	2.19
Mitchell	.00	.00	.50	3.50	3.00
Northern	.15	.15	.12	2.71	2.00
Oak	.33	.33	.00	3.67	3.00
Osborn	.40	.40	.30	3.40	2.20
Thomas	.12	.12	.28	3.12	2.14
Virginia	.00	.00	.25	3.00	2.00
Wilshire	.00	.00	.00	2.00	3.00
Total	.17	.16	.21	3.09	2.30

Report

Mean

Cross_Street	Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative)	Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative)
	.1094	-.0781
Bethany Home	.1304	-.0489
Butler	-.0625	-.3750
Camelback	-.3214	-.2679
Dunlap	.0000	-.2813
Glendale	-.0069	-.1284
Highland	.0250	-.5000
Indian School	-.2538	-.3598
Maryland	-.2344	-.3750
McDowell	.0000	-.2500
Missouri	-.0625	-.2266
Mitchell	-.0625	-.6250
Northern	-.0579	-.2012
Oak	.0000	-.4583
Osborn	-.4125	-.5875
Thomas	-.2374	-.2929
Virginia	-.4688	-.5313
Wilshire	-.2500	.7500
Total	-.1135	-.2376

ANOVA Table

			Sum of Squares	df	Mean Square
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * Cross_Street	Between Groups (Combined)		65.338	17	3.843
	Within Groups		551.742	368	1.499
	Total		617.080	385	
"No changes are needed to 7th Avenue or 7th Street" * Cross_Street	Between Groups (Combined)		4.054	17	.238
	Within Groups		41.048	374	.110
	Total		45.102	391	
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * Cross_Street	Between Groups (Combined)		3.758	17	.221
	Within Groups		88.364	374	.236
	Total		92.122	391	
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * Cross_Street	Between Groups (Combined)		4.149	17	.244
	Within Groups		86.953	374	.232
	Total		91.102	391	
"Make the reverse lane operate only in the morning (6-9am, M-F)" * Cross_Street	Between Groups (Combined)		1.668	17	.098
	Within Groups		28.554	374	.076
	Total		30.222	391	
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * Cross_Street	Between Groups (Combined)		.317	17	.019
	Within Groups		10.374	374	.028
	Total		10.691	391	
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" *	Between Groups (Combined)		4.159	17	.245
	Within Groups		93.104	374	.249
	Total		97.263	391	
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse	Between Groups (Combined)		4.319	17	.254
	Within Groups		92.855	374	.248
	Total		97.173	391	
"Increase enforcement against vehicles making illegal left turns at signalized intersections	Between Groups (Combined)		5.626	17	.331
	Within Groups		86.739	374	.232
	Total		92.365	391	
"Add more left-turn arrows along 7th Avenue and 7th Street" * Cross_Street	Between Groups (Combined)		4.457	17	.262
	Within Groups		93.520	374	.250
	Total		97.977	391	
Agree or Disagree: "The reverse lanes are safe" * Cross_Street	Between Groups (Combined)		44.406	17	2.612
	Within Groups		544.409	367	1.483
	Total		588.816	384	
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the	Between Groups (Combined)		34.243	17	2.014
	Within Groups		528.915	367	1.441
	Total		563.158	384	
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" *	Between Groups (Combined)		32.677	17	1.922
	Within Groups		485.876	365	1.331
	Total		518.554	382	
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane	Between Groups (Combined)		34.899	17	2.053
	Within Groups		346.473	366	.947
	Total		381.372	383	

**ANOVA Table**

			Sum of Squares	df	Mean Square
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during	Between Groups (Combined)		35.291	17	2.076
	Within Groups		396.595	367	1.081
	Total		431.886	384	
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through	Between Groups (Combined)		17.806	17	1.047
	Within Groups		370.933	366	1.013
	Total		388.740	383	
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during	Between Groups (Combined)		49.788	17	2.929
	Within Groups		575.451	366	1.572
	Total		625.240	383	
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * Cross	Between Groups (Combined)		4.089	17	.241
	Within Groups		50.799	374	.136
	Total		54.888	391	
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * Cross	Between Groups (Combined)		3.983	17	.234
	Within Groups		49.568	374	.133
	Total		53.551	391	
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles	Between Groups (Combined)		2.303	17	.135
	Within Groups		63.697	374	.170
	Total		66.000	391	
Do you use streets during reverse lane times? * Cross_Street	Between Groups (Combined)		23.081	17	1.358
	Within Groups		449.613	374	1.202
	Total		472.694	391	
Do you use the reverse lanes? * Cross_Street	Between Groups (Combined)		17.366	17	1.022
	Within Groups		428.307	374	1.145
	Total		445.673	391	
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * Cross_Street	Between Groups (Combined)		7.608	17	.448
	Within Groups		93.496	374	.250
	Total		101.105	391	
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * Cross_Street	Between Groups (Combined)		6.878	17	.405
	Within Groups		48.139	374	.129
	Total		55.017	391	

ANOVA Table

			F	Sig.
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * Cross_Street	Between Groups Within Groups Total	(Combined)	2.563	.001
"No changes are needed to 7th Avenue or 7th Street" * Cross_Street	Between Groups Within Groups Total	(Combined)	2.173	.005
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * Cross_Street	Between Groups Within Groups Total	(Combined)	.936	.532
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * Cross_Street	Between Groups Within Groups Total	(Combined)	1.050	.403
"Make the reverse lane operate only in the morning (6-9am, M-F)" * Cross_Street	Between Groups Within Groups Total	(Combined)	1.285	.198
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * Cross_Street	Between Groups Within Groups Total	(Combined)	.673	.830
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" *	Between Groups Within Groups Total	(Combined)	.983	.477
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse	Between Groups Within Groups Total	(Combined)	1.023	.431
"Increase enforcement against vehicles making illegal left turns at signalized intersections	Between Groups Within Groups Total	(Combined)	1.427	.120
"Add more left-turn arrows along 7th Avenue and 7th Street" * Cross_Street	Between Groups Within Groups Total	(Combined)	1.048	.404
Agree or Disagree: "The reverse lanes are safe" * Cross_Street	Between Groups Within Groups Total	(Combined)	1.761	.031
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the	Between Groups Within Groups Total	(Combined)	1.398	.134
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" *	Between Groups Within Groups Total	(Combined)	1.444	.113
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane	Between Groups Within Groups Total	(Combined)	2.169	.005

**ANOVA Table**

			F	Sig.
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane times" * Cross_Street	Between Groups Within Groups Total	(Combined)	1.921	.015
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through" * Cross_Street	Between Groups Within Groups Total	(Combined)	1.033	.420
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during reverse lane times" * Cross_Street	Between Groups Within Groups Total	(Combined)	1.863	.020
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * Cross_Street	Between Groups Within Groups Total	(Combined)	1.771	.030
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * Cross_Street	Between Groups Within Groups Total	(Combined)	1.768	.030
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through" * Cross_Street	Between Groups Within Groups Total	(Combined)	.795	.699
Do you use streets during reverse lane times? * Cross_Street	Between Groups Within Groups Total	(Combined)	1.129	.323
Do you use the reverse lanes? * Cross_Street	Between Groups Within Groups Total	(Combined)	.892	.584
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * Cross_Street	Between Groups Within Groups Total	(Combined)	1.790	.028
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * Cross_Street	Between Groups Within Groups Total	(Combined)	3.143	.000

**Measures of Association**

	Eta	Eta Squared
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * Cross_Street	.325	.106
"No changes are needed to 7th Avenue or 7th Street" * Cross_Street	.300	.090
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * Cross_Street	.202	.041
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * Cross_Street	.213	.046

**Measures of Association**

	Eta	Eta Squared
"Make the reverse lane operate only in the morning (6-9am, M-F)" * Cross_Street	.235	.055
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * Cross_Street	.172	.030
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" * Cross_Street	.207	.043
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" * Cross_Street	.211	.044
"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" * Cross_Street	.247	.061
"Add more left-turn arrows along 7th Avenue and 7th Street" * Cross_Street	.213	.045
Agree or Disagree: "The reverse lanes are safe" * Cross_Street	.275	.075
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes" * Cross_Street	.247	.061
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" * Cross_Street	.251	.063
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" * Cross_Street	.303	.092
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" * Cross_Street	.286	.082
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" * Cross_Street	.214	.046

Measures of Association

	Eta	Eta Squared
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" * Cross_Street	.282	.080
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * Cross_Street	.273	.074
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * Cross_Street	.273	.074
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" * Cross_Street	.187	.035
Do you use streets during reverse lane times? * Cross_Street	.221	.049
Do you use the reverse lanes? * Cross_Street	.197	.039
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * Cross_Street	.274	.075
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * Cross_Street	.354	.125

**Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" "No changes are needed to 7th Avenue or 7th Street" "Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" "Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" "Make the reverse lane operate only in the morning (6-9am, M-F)" "Make the reverse lane operate only in the afternoon (4-6pm, M-F)" "Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" "Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" "Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" "Add more left-turn arrows along 7th Avenue and 7th Street" Agree or Disagree: "The reverse lanes are safe" Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes" Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" Agree or Disagree: "There are**

usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" "Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" "Remove reverse lane and widen 7th Street to provide an additional southbound lane" "Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" Do you use streets during reverse lane times? Do you use the reverse lanes? Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) \* North to South Location

Report

Mean

North to South Location	Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable"	"No changes are needed to 7th Avenue or 7th Street"	"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation"	"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation"	"Make the reverse lane operate only in the morning (6-9am, M-F)"
SOUTH: South of Indian School	3.01	.05	.45	.43	.07
NORTH: North of Northern	2.49	.25	.31	.35	.05
MIDDLE: Indian School to Glendale	2.55	.16	.34	.33	.11
Total	2.72	.13	.38	.37	.09

### Report

Mean

North to South Location	"Make the reverse lane operate only in the afternoon (4-6pm, M-F)"	"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation"	"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect"	"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes"	"Add more left-turn arrows along 7th Avenue and 7th Street"
SOUTH: South of Indian School	.03	.45	.46	.29	.51
NORTH: North of Northern	.00	.38	.51	.36	.60
MIDDLE: Indian School to Glendale	.04	.49	.44	.45	.49
Total	.03	.46	.46	.38	.51

### Report

Mean

North to South Location	Agree or Disagree: "The reverse lanes are safe"	Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes"	Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby"	Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours"	Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours"
SOUTH: South of Indian School	3.83	3.28	3.93	2.07	2.06
NORTH: North of Northern	3.43	3.02	3.51	2.19	2.19
MIDDLE: Indian School to Glendale	3.40	2.85	3.43	2.47	2.40
Total	3.58	3.05	3.64	2.27	2.24

**Report**

Mean

North to South Location	Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods"	Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours"	"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane"	"Remove reverse lane and widen 7th Street to provide an additional southbound lane"	"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods"
SOUTH: South of Indian School	2.17	3.03	.18	.19	.27
NORTH: North of Northern	2.23	2.40	.18	.18	.16
MIDDLE: Indian School to Glendale	2.37	2.49	.16	.14	.18
Total	2.27	2.69	.17	.17	.21

**Report**

Mean

North to South Location	Do you use streets during reverse lane times?	Do you use the reverse lanes?	Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative)	Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative)
SOUTH: South of Indian School	3.15	2.21	-.2558	-.3339
NORTH: North of Northern	2.75	2.11	-.0455	-.2250
MIDDLE: Indian School to Glendale	3.15	2.42	-.0205	-.1603
Total	3.09	2.29	-.1172	-.2383

ANOVA Table

			Sum of Squares	df	Mean Square
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * North to South Location	Between Groups (Combined)		20.132	2	10.066
	Within Groups		589.778	376	1.569
	Total		609.910	378	
"No changes are needed to 7th Avenue or 7th Street" * North to South Location	Between Groups (Combined)		2.063	2	1.031
	Within Groups		40.685	381	.107
	Total		42.747	383	
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * North to South Location	Between Groups (Combined)		1.188	2	.594
	Within Groups		89.302	381	.234
	Total		90.490	383	
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * North to South Location	Between Groups (Combined)		.855	2	.427
	Within Groups		88.635	381	.233
	Total		89.490	383	
"Make the reverse lane operate only in the morning (6-9am, M-F)" * North to South Location	Between Groups (Combined)		.163	2	.082
	Within Groups		30.001	381	.079
	Total		30.164	383	
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * North to South Location	Between Groups (Combined)		.067	2	.033
	Within Groups		10.618	381	.028
	Total		10.685	383	
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" *	Between Groups (Combined)		.459	2	.230
	Within Groups		94.874	381	.249
	Total		95.333	383	
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is active" *	Between Groups (Combined)		.198	2	.099
	Within Groups		95.136	381	.250
	Total		95.333	383	
"Increase enforcement against vehicles making illegal left turns at signalized intersections"	Between Groups (Combined)		2.168	2	1.084
	Within Groups		87.832	381	.231
	Total		90.000	383	
"Add more left-turn arrows along 7th Avenue and 7th Street" * North to South Location	Between Groups (Combined)		.504	2	.252
	Within Groups		95.431	381	.250
	Total		95.935	383	
Agree or Disagree: "The reverse lanes are safe" * North to South Location	Between Groups (Combined)		16.579	2	8.289
	Within Groups		551.517	374	1.475
	Total		568.095	376	
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the regular lane"	Between Groups (Combined)		14.842	2	7.421
	Within Groups		533.391	374	1.426
	Total		548.233	376	
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" *	Between Groups (Combined)		20.697	2	10.348
	Within Groups		483.421	372	1.300
	Total		504.117	374	
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane operation"	Between Groups (Combined)		12.767	2	6.384
	Within Groups		359.103	373	.963
	Total		371.870	375	
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane operation"	Between Groups (Combined)		9.577	2	4.789

**ANOVA Table**

		Sum of Squares	df	Mean Square
Agree or Disagree: "There are usually vehicles cutting through the reverse lanes" * North to South Location	Within Groups	414.412	374	1.108
	Total	423.989	376	
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through the reverse lanes" * North to South Location	Between Groups (Combined)	3.437	2	1.718
	Within Groups	378.893	373	1.016
	Total	382.330	375	
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak times" * North to South Location	Between Groups (Combined)	27.920	2	13.960
	Within Groups	571.907	373	1.533
	Total	599.827	375	
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * North to South Location	Between Groups (Combined)	.062	2	.031
	Within Groups	54.595	381	.143
	Total	54.656	383	
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * North to South Location	Between Groups (Combined)	.215	2	.108
	Within Groups	53.118	381	.139
	Total	53.333	383	
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the reverse lanes" * North to South Location	Between Groups (Combined)	.807	2	.403
	Within Groups	63.683	381	.167
	Total	64.490	383	
Do you use streets during reverse lane times? * North to South Location	Between Groups (Combined)	7.673	2	3.837
	Within Groups	456.137	381	1.197
	Total	463.810	383	
Do you use the reverse lanes? * North to South Location	Between Groups (Combined)	5.663	2	2.831
	Within Groups	421.671	381	1.107
	Total	427.333	383	
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * North to South Location	Between Groups (Combined)	4.857	2	2.428
	Within Groups	92.338	381	.242
	Total	97.195	383	
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * North to South Location	Between Groups (Combined)	2.475	2	1.237
	Within Groups	51.535	381	.135
	Total	54.010	383	

ANOVA Table

			F	Sig.
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * North to South Location	Between Groups Within Groups Total	(Combined)	6.417	.002
"No changes are needed to 7th Avenue or 7th Street" * North to South Location	Between Groups Within Groups Total	(Combined)	9.659	.000
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * North to South Location	Between Groups Within Groups Total	(Combined)	2.534	.081
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * North to South Location	Between Groups Within Groups Total	(Combined)	1.837	.161
"Make the reverse lane operate only in the morning (6-9am, M-F)" * North to South Location	Between Groups Within Groups Total	(Combined)	1.037	.356
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * North to South Location	Between Groups Within Groups Total	(Combined)	1.202	.302
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" *	Between Groups Within Groups Total	(Combined)	.922	.399
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is active" *	Between Groups Within Groups Total	(Combined)	.396	.673
"Increase enforcement against vehicles making illegal left turns at signalized intersections" *	Between Groups Within Groups Total	(Combined)	4.702	.010
"Add more left-turn arrows along 7th Avenue and 7th Street" * North to South Location	Between Groups Within Groups Total	(Combined)	1.006	.366
Agree or Disagree: "The reverse lanes are safe" * North to South Location	Between Groups Within Groups Total	(Combined)	5.621	.004
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the normal two-way left-turn lane" *	Between Groups Within Groups Total	(Combined)	5.203	.006
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" *	Between Groups Within Groups Total	(Combined)	7.963	.000
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane operation" *	Between Groups Within Groups Total	(Combined)	6.631	.001
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane operation" *	Between Groups Within Groups Total	(Combined)	4.322	.014

**ANOVA Table**

			F	Sig.
Agree or Disagree: "There are usually vehicles cutting through the reverse lanes" * North to South Location	Within Groups Total			
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through the reverse lanes" * North to South Location	Between Groups (Combined) Within Groups Total		1.692	.186
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak hours" * North to South Location	Between Groups (Combined) Within Groups Total		9.105	.000
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * North to South Location	Between Groups (Combined) Within Groups Total		.215	.806
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * North to South Location	Between Groups (Combined) Within Groups Total		.773	.462
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the reverse lanes" * North to South Location	Between Groups (Combined) Within Groups Total		2.414	.091
Do you use streets during reverse lane times? * North to South Location	Between Groups (Combined) Within Groups Total		3.205	.042
Do you use the reverse lanes? * North to South Location	Between Groups (Combined) Within Groups Total		2.558	.079
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * North to South Location	Between Groups (Combined) Within Groups Total		10.020	.000
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * North to South Location	Between Groups (Combined) Within Groups Total		9.149	.000

**Measures of Association**

	Eta	Eta Squared
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * North to South Location	.182	.033
"No changes are needed to 7th Avenue or 7th Street" * North to South Location	.220	.048
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * North to South Location	.115	.013
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * North to South Location	.098	.010

**Measures of Association**

	Eta	Eta Squared
"Make the reverse lane operate only in the morning (6-9am, M-F)" * North to South Location	.074	.005
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * North to South Location	.079	.006
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" * North to South Location	.069	.005
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" * North to South Location	.046	.002
"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" * North to South Location	.155	.024
"Add more left-turn arrows along 7th Avenue and 7th Street" * North to South Location	.072	.005
Agree or Disagree: "The reverse lanes are safe" * North to South Location	.171	.029
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes" * North to South Location	.165	.027
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" * North to South Location	.203	.041
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" * North to South Location	.185	.034
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" * North to South Location	.150	.023
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" * North to South Location	.095	.009

Measures of Association

	Eta	Eta Squared
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" * North to South Location	.216	.047
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * North to South Location	.034	.001
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * North to South Location	.064	.004
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" * North to South Location	.112	.013
Do you use streets during reverse lane times? * North to South Location	.129	.017
Do you use the reverse lanes? * North to South Location	.115	.013
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * North to South Location	.224	.050
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * North to South Location	.214	.046

**Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" "No changes are needed to 7th Avenue or 7th Street" "Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" "Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" "Make the reverse lane operate only in the morning (6-9am, M-F)" "Make the reverse lane operate only in the afternoon (4-6pm, M-F)" "Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" "Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" "Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" "Add more left-turn arrows along 7th Avenue and 7th Street" Agree or Disagree: "The reverse lanes are safe" Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes" Agree or Disagree: "The reverse lane makes it more convenient for me to**

get to places nearby" Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" "Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" "Remove reverse lane and widen 7th Street to provide an additional southbound lane" "Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" Do you use streets during reverse lane times? Do you use the reverse lanes? Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) \* Within 1/2 Mile of 7th Avenue or 7th Street

Report

Mean

	Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandabl e"	"No changes are needed to 7th Avenue or 7th Street"	"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation"	"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation"	"Make the reverse lane operate only in the morning (6-9am, M-F)"
Within 1/2 Mile of 7th Avenue or 7th Street					
Greater than 1/2 Mile from 7th Ave. or 7th St.	2.51	.13	.28	.28	.05
Closer than 1/2 Mile to 7th Ave. or 7th St.	2.73	.13	.39	.38	.09
Total	2.71	.13	.38	.37	.08

**Report**

Mean

Within 1/2 Mile of 7th Avenue or 7th Street	"Make the reverse lane operate only in the afternoon (4-6pm, M-F)"	"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation"	"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect"	"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes"	"Add more left-turn arrows along 7th Avenue and 7th Street"
Greater than 1/2 Mile from 7th Ave. or 7th St.	.03	.49	.44	.49	.49
Closer than 1/2 Mile to 7th Ave. or 7th St.	.03	.45	.46	.37	.51
Total	.03	.46	.45	.38	.51

**Report**

Mean

Within 1/2 Mile of 7th Avenue or 7th Street	Agree or Disagree: "The reverse lanes are safe"	Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes"	Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby"	Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours"	Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours"
Greater than 1/2 Mile from 7th Ave. or 7th St.	3.21	2.68	3.39	2.21	2.18
Closer than 1/2 Mile to 7th Ave. or 7th St.	3.60	3.09	3.66	2.27	2.23
Total	3.56	3.05	3.64	2.27	2.23

**Report**

Mean

	Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods"	Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours"	"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane"	"Remove reverse lane and widen 7th Street to provide an additional southbound lane"	"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods"
Within 1/2 Mile of 7th Avenue or 7th Street					
Greater than 1/2 Mile from 7th Ave. or 7th St.	2.34	2.55	.15	.13	.26
Closer than 1/2 Mile to 7th Ave. or 7th St.	2.27	2.70	.17	.17	.21
Total	2.28	2.68	.17	.16	.21

**Report**

Mean

	Do you use streets during reverse lane times?	Do you use the reverse lanes?	Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative)	Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative)
Within 1/2 Mile of 7th Avenue or 7th Street				
Greater than 1/2 Mile from 7th Ave. or 7th St.	2.74	2.46	.0192	-.2179
Closer than 1/2 Mile to 7th Ave. or 7th St.	3.13	2.28	-.1282	-.2397
Total	3.09	2.30	-.1135	-.2376

ANOVA Table

			Sum of Squares	df	Mean Square
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups (Combined)		1.619	1	1.619
	Within Groups		615.461	384	1.603
	Total		617.080	385	
"No changes are needed to 7th Avenue or 7th Street" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups (Combined)		.001	1	.001
	Within Groups		45.101	390	.116
	Total		45.102	391	
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups (Combined)		.395	1	.395
	Within Groups		91.727	390	.235
	Total		92.122	391	
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups (Combined)		.315	1	.315
	Within Groups		90.787	390	.233
	Total		91.102	391	
"Make the reverse lane operate only in the morning (6-9am, M-F)" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups (Combined)		.047	1	.047
	Within Groups		30.175	390	.077
	Total		30.222	391	
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups (Combined)		.000	1	.000
	Within Groups		10.691	390	.027
	Total		10.691	391	
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups (Combined)		.040	1	.040
	Within Groups		97.222	390	.249
	Total		97.263	391	
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is closed" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups (Combined)		.014	1	.014
	Within Groups		97.159	390	.249
	Total		97.173	391	
"Increase enforcement against vehicles making illegal left turns at signalized intersections along 7th Avenue and 7th Street" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups (Combined)		.497	1	.497
	Within Groups		91.868	390	.236
	Total		92.365	391	
"Add more left-turn arrows along 7th Avenue and 7th Street" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups (Combined)		.018	1	.018
	Within Groups		97.959	390	.251
	Total		97.977	391	
Agree or Disagree: "The reverse lanes are safe" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups (Combined)		5.180	1	5.180
	Within Groups		583.636	383	1.524
	Total		588.816	384	
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the regular lane" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups (Combined)		5.542	1	5.542
	Within Groups		557.617	383	1.456
	Total		563.158	384	
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups (Combined)		2.477	1	2.477
	Within Groups		516.076	381	1.355
	Total		518.554	382	

ANOVA Table

			Sum of Squares	df	Mean Square
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane"	Between Groups (Combined)		.140	1	.140
	Within Groups		381.232	382	.998
	Total		381.372	383	
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during"	Between Groups (Combined)		.083	1	.083
	Within Groups		431.803	383	1.127
	Total		431.886	384	
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through"	Between Groups (Combined)		.184	1	.184
	Within Groups		388.556	382	1.017
	Total		388.740	383	
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during"	Between Groups (Combined)		.709	1	.709
	Within Groups		624.531	382	1.635
	Total		625.240	383	
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * Within	Between Groups (Combined)		.009	1	.009
	Within Groups		54.879	390	.141
	Total		54.888	391	
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * Within	Between Groups (Combined)		.053	1	.053
	Within Groups		53.498	390	.137
	Total		53.551	391	
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles"	Between Groups (Combined)		.077	1	.077
	Within Groups		65.923	390	.169
	Total		66.000	391	
Do you use streets during reverse lane times? * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups (Combined)		5.252	1	5.252
	Within Groups		467.442	390	1.199
	Total		472.694	391	
Do you use the reverse lanes? * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups (Combined)		1.188	1	1.188
	Within Groups		444.486	390	1.140
	Total		445.673	391	
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * Within 1/2 Mile of 7th	Between Groups (Combined)		.763	1	.763
	Within Groups		100.341	390	.257
	Total		101.105	391	
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * Within 1/2 Mile	Between Groups (Combined)		.017	1	.017
	Within Groups		55.001	390	.141
	Total		55.017	391	

ANOVA Table

			F	Sig.
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups	(Combined)	1.010	.315
	Within Groups			
	Total			
"No changes are needed to 7th Avenue or 7th Street" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups	(Combined)	.007	.931
	Within Groups			
	Total			
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups	(Combined)	1.679	.196
	Within Groups			
	Total			
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups	(Combined)	1.354	.245
	Within Groups			
	Total			
"Make the reverse lane operate only in the morning (6-9am, M-F)" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups	(Combined)	.606	.437
	Within Groups			
	Total			
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups	(Combined)	.009	.923
	Within Groups			
	Total			
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups	(Combined)	.162	.687
	Within Groups			
	Total			
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is active" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups	(Combined)	.057	.811
	Within Groups			
	Total			
"Increase enforcement against vehicles making illegal left turns at signalized intersections along 7th Avenue and 7th Street" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups	(Combined)	2.108	.147
	Within Groups			
	Total			
"Add more left-turn arrows along 7th Avenue and 7th Street" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups	(Combined)	.072	.788
	Within Groups			
	Total			
Agree or Disagree: "The reverse lanes are safe" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups	(Combined)	3.399	.066
	Within Groups			
	Total			
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the normal two-way left-turn lane" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups	(Combined)	3.806	.052
	Within Groups			
	Total			
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups	(Combined)	1.829	.177
	Within Groups			
	Total			

**ANOVA Table**

			F	Sig.
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane"	Between Groups (Combined) Within Groups Total		.141	.708
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during"	Between Groups (Combined) Within Groups Total		.074	.786
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through"	Between Groups (Combined) Within Groups Total		.181	.671
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during"	Between Groups (Combined) Within Groups Total		.434	.511
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * Within	Between Groups (Combined) Within Groups Total		.065	.799
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * Within	Between Groups (Combined) Within Groups Total		.388	.534
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles"	Between Groups (Combined) Within Groups Total		.455	.501
Do you use streets during reverse lane times? * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups (Combined) Within Groups Total		4.382	.037
Do you use the reverse lanes? * Within 1/2 Mile of 7th Avenue or 7th Street	Between Groups (Combined) Within Groups Total		1.042	.308
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * Within 1/2 Mile of 7th	Between Groups (Combined) Within Groups Total		2.966	.086
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * Within 1/2 Mile	Between Groups (Combined) Within Groups Total		.118	.731

**Measures of Association**

	Eta	Eta Squared
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * Within 1/2 Mile of 7th Avenue or 7th Street	.051	.003
"No changes are needed to 7th Avenue or 7th Street" * Within 1/2 Mile of 7th Avenue or 7th Street	.004	.000

### Measures of Association

	Eta	Eta Squared
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * Within 1/2 Mile of 7th Avenue or 7th Street	.065	.004
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * Within 1/2 Mile of 7th Avenue or 7th Street	.059	.003
"Make the reverse lane operate only in the morning (6-9am, M-F)" * Within 1/2 Mile of 7th Avenue or 7th Street	.039	.002
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * Within 1/2 Mile of 7th Avenue or 7th Street	.005	.000
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" * Within 1/2 Mile of 7th Avenue or 7th Street	.020	.000
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" * Within 1/2 Mile of 7th Avenue or 7th Street	.012	.000
"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" * Within 1/2 Mile of 7th Avenue or 7th Street	.073	.005
"Add more left-turn arrows along 7th Avenue and 7th Street" * Within 1/2 Mile of 7th Avenue or 7th Street	.014	.000
Agree or Disagree: "The reverse lanes are safe" * Within 1/2 Mile of 7th Avenue or 7th Street	.094	.009
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes" * Within 1/2 Mile of 7th Avenue or 7th Street	.099	.010

**Measures of Association**

	Eta	Eta Squared
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" * Within 1/2 Mile of 7th Avenue or 7th Street	.069	.005
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" * Within 1/2 Mile of 7th Avenue or 7th Street	.019	.000
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" * Within 1/2 Mile of 7th Avenue or 7th Street	.014	.000
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" * Within 1/2 Mile of 7th Avenue or 7th Street	.022	.000
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" * Within 1/2 Mile of 7th Avenue or 7th Street	.034	.001
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * Within 1/2 Mile of 7th Avenue or 7th Street	.013	.000
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * Within 1/2 Mile of 7th Avenue or 7th Street	.032	.001
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" * Within 1/2 Mile of 7th Avenue or 7th Street	.034	.001
Do you use streets during reverse lane times? * Within 1/2 Mile of 7th Avenue or 7th Street	.105	.011
Do you use the reverse lanes? * Within 1/2 Mile of 7th Avenue or 7th Street	.052	.003

Measures of Association

	Eta	Eta Squared
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * Within 1/2 Mile of 7th Avenue or 7th Street	.087	.008
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * Within 1/2 Mile of 7th Avenue or 7th Street	.017	.000

Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" "No changes are needed to 7th Avenue or 7th Street" "Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" "Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" "Make the reverse lane operate only in the morning (6-9am, M-F)" "Make the reverse lane operate only in the afternoon (4-6pm, M-F)" "Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" "Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" "Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" "Add more left-turn arrows along 7th Avenue and 7th Street" Agree or Disagree: "The reverse lanes are safe" Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes" Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" "Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" "Remove reverse lane and widen 7th Street to provide an additional southbound lane" "Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" Do you use streets during reverse lane times? Do you use the reverse lanes? Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) \* East or Central or West

**Report**

Mean

	Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandabl e"	"No changes are needed to 7th Avenue or 7th Street"	"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation"	"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation"	"Make the reverse lane operate only in the morning (6-9am, M-F)"
East or Central or West					
West of Central	2.68	.10	.42	.34	.08
On/Near Central	2.59	.25	.32	.32	.02
East of Central	2.82	.11	.36	.42	.11
Total	2.73	.13	.38	.37	.09

**Report**

Mean

	"Make the reverse lane operate only in the afternoon (4-6pm, M-F)"	"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation"	"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect"	"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes"	"Add more left-turn arrows along 7th Avenue and 7th Street"
East or Central or West					
West of Central	.03	.45	.43	.36	.52
On/Near Central	.00	.53	.57	.38	.43
East of Central	.03	.45	.45	.39	.53
Total	.03	.46	.46	.38	.51

**Report**

Mean

	Agree or Disagree: "The reverse lanes are safe"	Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes"	Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby"	Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours"	Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours"
East or Central or West					
West of Central	3.55	3.12	3.70	2.27	2.26
On/Near Central	3.25	2.78	3.43	2.43	2.45
East of Central	3.73	3.05	3.65	2.20	2.12
Total	3.58	3.05	3.65	2.26	2.23

**Report**

Mean

	Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods"	Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours"	"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane"	"Remove reverse lane and widen 7th Street to provide an additional southbound lane"	"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods"
East or Central or West					
West of Central	2.21	2.76	.17	.16	.21
On/Near Central	2.34	2.31	.08	.06	.17
East of Central	2.31	2.75	.20	.21	.23
Total	2.27	2.69	.17	.17	.21

## Report

Mean

	Do you use streets during reverse lane times?	Do you use the reverse lanes?	Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative)	Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative)
East or Central or West				
West of Central	3.01	2.30	-.1379	-.2364
On/Near Central	3.17	2.11	.0259	-.1627
East of Central	3.15	2.34	-.1449	-.2723
Total	3.09	2.29	-.1182	-.2409

ANOVA Table

			Sum of Squares	df	Mean Square
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * East or Central or West	Between Groups (Combined)		2.722	2	1.361
	Within Groups		604.740	376	1.608
	Total		607.462	378	
"No changes are needed to 7th Avenue or 7th Street" * East or Central or West	Between Groups (Combined)		.892	2	.446
	Within Groups		41.108	381	.108
	Total		42.000	383	
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * East or Central or West	Between Groups (Combined)		.543	2	.272
	Within Groups		89.946	381	.236
	Total		90.490	383	
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * East or Central or West	Between Groups (Combined)		.693	2	.347
	Within Groups		88.796	381	.233
	Total		89.490	383	
"Make the reverse lane operate only in the morning (6-9am, M-F)" * East or Central or West	Between Groups (Combined)		.373	2	.187
	Within Groups		29.791	381	.078
	Total		30.164	383	
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * East or Central or West	Between Groups (Combined)		.042	2	.021
	Within Groups		9.697	381	.025
	Total		9.740	383	
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" *	Between Groups (Combined)		.285	2	.142
	Within Groups		95.130	381	.250
	Total		95.414	383	
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is closed" *	Between Groups (Combined)		.750	2	.375
	Within Groups		94.583	381	.248
	Total		95.333	383	
"Increase enforcement against vehicles making illegal left turns at signalized intersections" *	Between Groups (Combined)		.089	2	.044
	Within Groups		90.158	381	.237
	Total		90.247	383	
"Add more left-turn arrows along 7th Avenue and 7th Street" * East or Central or West	Between Groups (Combined)		.370	2	.185
	Within Groups		95.588	381	.251
	Total		95.958	383	
Agree or Disagree: "The reverse lanes are safe" * East or Central or West	Between Groups (Combined)		9.093	2	4.547
	Within Groups		554.848	374	1.484
	Total		563.942	376	
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the regular lane" *	Between Groups (Combined)		4.518	2	2.259
	Within Groups		540.623	374	1.446
	Total		545.141	376	
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" *	Between Groups (Combined)		2.893	2	1.446
	Within Groups		496.937	372	1.336
	Total		499.829	374	
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane operation" *	Between Groups (Combined)		2.090	2	1.045
	Within Groups		362.367	373	.971
	Total		364.457	375	
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane operation" *	Between Groups (Combined)		4.743	2	2.372

**ANOVA Table**

			Sum of Squares	df	Mean Square
Agree or Disagree: "There are usually vehicles cutting through the reverse lanes"	Within Groups		417.639	374	1.117
	Total		422.382	376	
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through the reverse lanes"	Between Groups (Combined)		1.093	2	.547
	Within Groups		378.777	373	1.015
	Total		379.870	375	
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak times"	Between Groups (Combined)		8.554	2	4.277
	Within Groups		591.273	373	1.585
	Total		599.827	375	
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * East or West	Between Groups (Combined)		.593	2	.296
	Within Groups		53.405	381	.140
	Total		53.997	383	
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * East or West	Between Groups (Combined)		.945	2	.473
	Within Groups		52.388	381	.138
	Total		53.333	383	
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the reverse lanes"	Between Groups (Combined)		.140	2	.070
	Within Groups		64.349	381	.169
	Total		64.490	383	
Do you use streets during reverse lane times? * East or Central or West	Between Groups (Combined)		2.030	2	1.015
	Within Groups		461.780	381	1.212
	Total		463.810	383	
Do you use the reverse lanes? * East or Central or West	Between Groups (Combined)		2.025	2	1.013
	Within Groups		422.889	381	1.110
	Total		424.914	383	
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * East or Central or West	Between Groups (Combined)		1.281	2	.640
	Within Groups		95.217	381	.250
	Total		96.498	383	
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * East or Central or West	Between Groups (Combined)		.482	2	.241
	Within Groups		52.548	381	.138
	Total		53.031	383	

ANOVA Table

			F	Sig.
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * East or Central or West	Between Groups Within Groups Total	(Combined)	.846	.430
"No changes are needed to 7th Avenue or 7th Street" * East or Central or West	Between Groups Within Groups Total	(Combined)	4.131	.017
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * East or Central or West	Between Groups Within Groups Total	(Combined)	1.151	.317
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * East or Central or West	Between Groups Within Groups Total	(Combined)	1.488	.227
"Make the reverse lane operate only in the morning (6-9am, M-F)" * East or Central or West	Between Groups Within Groups Total	(Combined)	2.386	.093
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * East or Central or West	Between Groups Within Groups Total	(Combined)	.835	.435
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" *	Between Groups Within Groups Total	(Combined)	.570	.566
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is active" *	Between Groups Within Groups Total	(Combined)	1.511	.222
"Increase enforcement against vehicles making illegal left turns at signalized intersections" *	Between Groups Within Groups Total	(Combined)	.188	.829
"Add more left-turn arrows along 7th Avenue and 7th Street" * East or Central or West	Between Groups Within Groups Total	(Combined)	.738	.479
Agree or Disagree: "The reverse lanes are safe" * East or Central or West	Between Groups Within Groups Total	(Combined)	3.065	.048
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the normal two-way left-turn lane" *	Between Groups Within Groups Total	(Combined)	1.563	.211
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" *	Between Groups Within Groups Total	(Combined)	1.083	.340
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane operation" *	Between Groups Within Groups Total	(Combined)	1.076	.342
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane operation" *	Between Groups Within Groups Total	(Combined)	2.124	.121

**ANOVA Table**

			F	Sig.
Agree or Disagree: "There are usually vehicles cutting through the reverse lanes" * East or Central or West	Within Groups Total			
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through the reverse lanes" * East or Central or West	Between Groups (Combined) Within Groups Total		.538	.584
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak hours" * East or Central or West	Between Groups (Combined) Within Groups Total		2.698	.069
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * East or Central or West	Between Groups (Combined) Within Groups Total		2.114	.122
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * East or Central or West	Between Groups (Combined) Within Groups Total		3.437	.033
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the reverse lanes" * East or Central or West	Between Groups (Combined) Within Groups Total		.416	.660
Do you use streets during reverse lane times? * East or Central or West	Between Groups (Combined) Within Groups Total		.837	.434
Do you use the reverse lanes? * East or Central or West	Between Groups (Combined) Within Groups Total		.912	.402
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * East or Central or West	Between Groups (Combined) Within Groups Total		2.563	.078
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * East or Central or West	Between Groups (Combined) Within Groups Total		1.748	.176

**Measures of Association**

	Eta	Eta Squared
Agree or Disagree: "How the reverse lanes work and thier hours of operation are clearly marked and understandable" * East or Central or West	.067	.004
"No changes are needed to 7th Avenue or 7th Street" * East or Central or West	.146	.021
"Remove the reverse lane on 7th Avenue and return to normal two-way left-turn operation" * East or Central or West	.077	.006
"Remove the reverse lane on 7th Street and return to normal two-way left-turn operation" * East or Central or West	.088	.008

**Measures of Association**

	Eta	Eta Squared
"Make the reverse lane operate only in the morning (6-9am, M-F)" * East or Central or West	.111	.012
"Make the reverse lane operate only in the afternoon (4-6pm, M-F)" * East or Central or West	.066	.004
"Change the overhead signs to electronic Red 'X' and Green arrows for reverse lane operation" * East or Central or West	.055	.003
"Add warning beacons to the existing overhead reverse lane signs that flash when the reverse lane is in effect" * East or Central or West	.089	.008
"Increase enforcement against vehicles making illegal left turns at signalized intersections along the reverse lanes" * East or Central or West	.031	.001
"Add more left-turn arrows along 7th Avenue and 7th Street" * East or Central or West	.062	.004
Agree or Disagree: "The reverse lanes are safe" * East or Central or West	.127	.016
Agree or Disagree: "The reverse lane allows me to travel to my destination more quickly than the other lanes" * East or Central or West	.091	.008
Agree or Disagree: "The reverse lane makes it more convenient for me to get to places nearby" * East or Central or West	.076	.006
Agree or Disagree: "There are usually vehicles stopped in the reverse lane during reverse lane hours" * East or Central or West	.076	.006
Agree or Disagree: "There are usually vehicles making illegal turns along 7th Ave. and 7th St. during reverse lane hours" * East or Central or West	.106	.011
Agree or Disagree: "When the reverse lanes are in effect, there are more vehicles cutting through neighborhoods" * East or Central or West	.054	.003

**Measures of Association**

	Eta	Eta Squared
Agree or Disagree: "If the reverse lane is removed, 7th Ave. and 7th St. would be more congested during peak commute hours" * East or Central or West	.119	.014
"Remove reverse lane and widen 7th Avenue to provide an additional southbound lane" * East or Central or West	.105	.011
"Remove reverse lane and widen 7th Street to provide an additional southbound lane" * East or Central or West	.133	.018
"Add 'traffic calming' devices, such as speed bumps, on neighborhood streets to prevent vehicles from cutting through the neighborhoods" * East or Central or West	.047	.002
Do you use streets during reverse lane times? * East or Central or West	.066	.004
Do you use the reverse lanes? * East or Central or West	.069	.005
Index of opinion of reverse lanes (+1 = Most Positive, -1 = Most Negative) * East or Central or West	.115	.013
Index of experience using reverse lanes (+1 = Most Positive, -1 = Most Negative) * East or Central or West	.095	.009