

TECHNICAL APPENDIX FOR REPORT ON RED-LIGHT TRAFFIC CONTROL SIGNAL MONITORING SYSTEMS Third Annual Report

Prepared by the New Jersey
Department of Transportation



DETERMINING YELLOW CHANGE INTERVALS

In New Jersey, yellow change intervals are determined by nationally accepted standards. The Department's guiding principle in determining the yellow change interval at traffic signals is the 2009 edition of the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD), as amended and supplemented. Section 4D.26 of the MUTCD states: *The duration of the yellow change interval shall be determined using engineering practices.* The MUTCD is adopted in New Jersey through existing motor vehicle law, specifically Title 39 of the Revised Statutes.

The accepted engineering practice to determine yellow change intervals is from the Institute of Transportation Engineers (ITE) 1994 report titled "Determining Vehicle Signal Change and Clearance Intervals". The formula is: $y = t + (v / 2a + 2Gg)$ where **y** is the length of the yellow interval, **t** is driver perception-reaction time (recommended as 1 second), **v** is the speed limit (feet per second), **a** is the deceleration rate (10 feet per second squared), **g** is gravitational acceleration (32 feet per second squared), and **G** is the approach grade, usually 0%. Using this formula, a speed limit of 45 MPH will result in 4.3 seconds of required yellow change interval time.

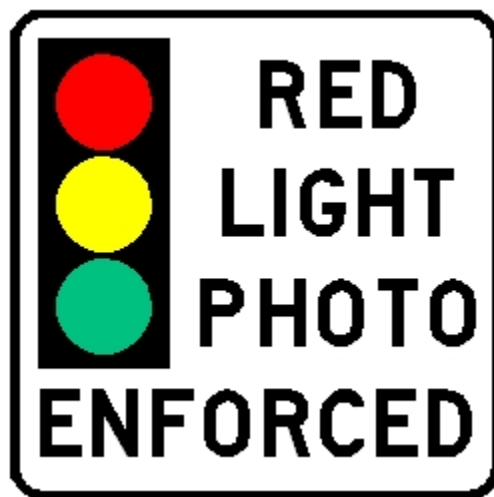
The Department utilizes a generally conservative form of the ITE formula: $y = v$ (miles per hour) **divided by 10**. This formula demands a yellow change interval of 4.5 seconds for 45 MPH, but since tenths of seconds are not recognized by the Department, the time is increased, meaning 45 MPH results in 5 seconds of yellow change interval time.

Section 4D.26 of the MUTCD states further: *The duration of a yellow change interval may be different in different signal timing plans for the same controller unit and a yellow change interval should have a minimum duration of 3 seconds and a maximum duration of 6 seconds; the longer intervals should be reserved for use on approaches with higher speeds.* As such, it should be noted that the yellow change interval for a protected left turn movement (a left turn that moves on an arrow indication), is usually lower than the yellow time for the through movement on the same approach. This is because left turns are never made safely at roadway speeds, and in most cases, the maneuvers are completed at speeds less than 25 MPH. Therefore, following the Department's engineering practice and the provisions of the MUTCD, yellow change intervals are usually set at the suggested minimum duration of 3 seconds.

Finally, Section 4D.26 of the MUTCD states that *the exclusive function of the yellow change interval shall be to warn traffic of an impending change in the right-of-way assignment.* Neither ITE nor the MUTCD has any expectation of the yellow time being long enough for the vehicle to completely clear the intersection prior to green for the conflicting movement. That clearance time is determined by the ITE formula

$TC = t + v / 2a + (w + L) / v$ where **TC** is the total clearance (yellow change plus all-red clearance) time, **w** is total intersection crossing width, **L** is vehicle length (assumed to be 20 feet), and the other variables are as per the aforementioned yellow interval formula. Yellow change time is simply subtracted from the total clearance time.

RLR GROUPS
GROUP PARTICIPANTS
CRASH DATA
SEVERITY DATA
COST/BENEFIT ANALYSIS
CITATION GRAPHS



Municipal Participants By Group

Group 1

Newark City, Essex County:

Broad Street and Market Street
Broad Street and Raymond Boulevard

Group 2

Brick Township, Ocean County:

Rt. 70 and Chambers Bridge Road
Brick Boulevard and Chambers Bridge Road

Deptford Township, Gloucester County:

Rt. 41 and Deptford Center Road

Glassboro Borough, Gloucester County:

Rt. 47 and Dalton Drive

Gloucester Township, Camden County:

Blackwood-Clementon Road and Cherrywood Drive
Blackwood-Clementon Road and Erial/Blenheim/New Brooklyn Road
Blackwood-Clementon Road and Little Gloucester Road
Blackwood-Clementon Road and Millbridge Road

Linden City, Union County:

Rt. 1&9 and South Park Avenue
Rt. 1&9 and South Stiles Street
Rt. 27 and North Stiles Street

New Brunswick City, Middlesex County:

Easton Avenue and Park Boulevard

Newark City, Essex County:

Broad Street and Murray Street
McCarter Highway and Edison Place
McCarter Highway and Lafayette Street
McCarter Highway and Market Street
McCarter Highway and South Street
Mulberry Street and Market Street
Raymond Boulevard and Raymond Plaza West
Raymond Boulevard, Market Street and Prospect Street

Stratford Borough, Camden County:

Rt. 30 W/B Jughandle and White Horse Road and Berlin Road

Woodbridge Township, Middlesex County:

Rt. 1&9 and Avenel Street

Group 3

<u>Cherry Hill Township, Camden County:</u>	Rt. 70 and Springdale Road
<u>East Brunswick Township, Middlesex County:</u>	Rt. 18 and Tices Lane
<u>Edison Township, Middlesex County:</u>	Rt. 1 and Plainfield Avenue Rt. 1 and Prince Street Rt. 1 and Wooding Avenue
<u>Jersey City, Hudson County:</u>	JF Kennedy Boulevard and Communipaw Avenue Jersey Avenue and 18 th Street Merseles Avenue and Montgomery Boulevard
<u>Lawrence Township, Mercer County:</u>	Rt. 1 and Baker's Basin Road/Franklin Corner Road
<u>Monroe Township, Gloucester County:</u>	Rt. 42 and Rt. 322/CR 536 Spur
<u>Newark City, Essex County:</u>	Doremus Avenue and Wilson Avenue Market Street and University Avenue Market Street and Washington Street Stockton Street and Delancy Street
<u>Palisades Park Borough, Bergen County:</u>	Rt. 63 (Bergen Blvd) and Edsall Boulevard
<u>Piscataway Township, Middlesex County:</u>	Centennial Avenue and Old New Brunswick Road South Randolphville Road and Centennial Avenue
<u>Pohatcong Township, Warren County:</u>	Rt. 22 and CR 519
<u>Rahway City, Union County:</u>	Rt. 1&9 and East Milton Road/Paterson Street Rt. 27 and Maple Avenue
<u>Roselle Park Borough, Union County:</u>	Rt. 28 and Locust Street
<u>Wayne Township, Passaic County:</u>	Paterson-Hamburg Turnpike and Black Oak Ridge Road
<u>Woodbridge Township, Middlesex County:</u>	Rt. 1 and Green Street

Yearly Crash Data

Group 1 - RLR Intersections (Crash Data)

Crashes	Right Angle	Same Direction	Other	<u>Total</u>
Pre-Camera	7	12	28	47
Year 1	3	6	17	26
Year 2	1	7	12	20
Year 3	1	5	7	13

Group 1 - Reference Intersections (Crash Data)

Crashes	Right Angle	Same Direction	Other	<u>Total</u>
Pre-Camera	0	3	8	11
Year 1	1	4	2	7
Year 2	0	0	0	0
Year 3	0	1	8	9

Group 2 - RLR Intersections (Crash Data)

Crashes	Right Angle	Same Direction	Other	<u>Total</u>
Pre-Camera	53	274	203	530
Year 1	48	330	165	543
Year 2	21	256	108	385

Group 2 - Reference Intersections (Crash Data)

Crashes	Right Angle	Same Direction	Other	<u>Total</u>
Pre-Camera	23	79	47	149
Year 1	21	83	31	135
Year 2	6	54	21	81

Group 3 - RLR Intersections (Crash Data)

Crashes	Right Angle	Same Direction	Other	<u>Total</u>
Pre-Camera	41	326	166	533
Year 1	35	315	157	507

Group 3 - Reference Intersections (Crash Data)

Crashes	Right Angle	Same Direction	Other	<u>Total</u>
Pre-Camera	25	192	96	313
Year 1	22	208	78	308

Yearly Severity Data

Group 1 - RLR Intersections Severity Data

Year	Crash	K	A	B	C	PDO	Total
Pre-Year	Right Angle	0	0	0	2	5	7
	Same Direction	0	0	0	5	7	12
Year 1	Right Angle	0	0	0	2	1	3
	Same Direction	0	0	0	3	3	6
Year 2	Right Angle	0	0	0	0	1	1
	Same Direction	0	0	0	2	5	7
Year 3	Right Angle	0	0	0	1	0	1
	Same Direction	0	0	0	2	3	5

Group 1 - Reference Intersections Severity Data

Year	Crash	K	A	B	C	PDO	Total
Pre-Year	Right Angle	0	0	0	0	0	0
	Same Direction	0	0	0	0	3	3
Year 1	Right Angle	0	0	0	0	1	1
	Same Direction	0	0	0	2	2	4
Year 2	Right Angle	0	0	0	0	0	0
	Same Direction	0	0	0	0	0	0
Year 3	Right Angle	0	0	0	0	0	0
	Same Direction	0	0	0	0	1	1

Group 2 - RLR Intersections Severity Data

Year	Crash	K	A	B	C	PDO	Total
Pre-Year	Right Angle	0	0	1	18	34	53
	Same Direction	0	1	1	67	205	274
Year 1	Right Angle	0	0	5	24	19	48
	Same Direction	0	0	4	73	253	330
Year 2	Right Angle	0	0	1	7	13	21
	Same Direction	0	0	3	70	183	256

Group 2 - Reference Intersections Severity Data

Year	Crash	K	A	B	C	PDO	Total
Pre-Year	Right Angle	0	0	3	3	17	23
	Same Direction	0	0	0	11	68	79
Year 1	Right Angle	0	0	0	3	18	21
	Same Direction	0	0	2	20	61	83
Year 2	Right Angle	0	0	0	2	4	6
	Same Direction	0	0	2	13	39	54

Group 3 - RLR Intersections Severity Data

Year	Crash Type	K	A	B	C	PDO	Total
Pre-Year	Right Angle	0	1	9	10	21	41
	Same Direction	0	1	13	102	210	326
Year 1	Right Angle	0	0	1	11	23	35
	Same Direction	0	0	5	88	222	315

Group 3 - Reference Intersections Severity Data

Year	Crash Type	K	A	B	C	PDO	Total
Pre-Year	Right Angle	0	0	6	6	13	25
	Same Direction	0	0	5	47	140	192
Year 1	Right Angle	1	0	2	11	8	22
	Same Direction	0	0	6	54	148	208

Yearly Cost/Benefit Analysis

Group 1 - RLR Intersections - Benefit/(Loss)

	RLR Intersections			Reference Intersections		
	Right Angle	Same Direction	<u>Total</u>	Right Angle	Same Direction	<u>Total</u>
Pre-Yr to Yr 1	\$29,600.00	\$119,400.00	\$149,000.00	(\$7,400.00)	(\$82,400.00)	(\$89,800.00)
Yr 1 to Yr 2	\$89,800.00	\$30,100.00	\$119,900.00	\$7,400.00	\$104,600.00	\$112,000.00
Yr 2 to Yr 3	(\$37,500.00)	\$14,800.00	(\$22,700.00)	\$0.00	(\$7,400.00)	(\$7,400.00)

Group 1 - RLR Intersections - Benefit/(Loss) to Base Year

	RLR Intersections			Reference Intersections		
	Right Angle	Same Direction	<u>Total</u>	Right Angle	Same Direction	<u>Total</u>
Pre-Yr to Yr 1	\$29,600.00	\$119,400.00	\$149,000.00	(\$7,400.00)	(\$82,400.00)	(\$89,800.00)
Pre-Yr to Yr 2	\$119,400.00	\$149,500.00	\$268,900.00	\$0.00	\$22,200.00	\$22,200.00
Pre-Yr to Yr 3	\$81,900.00	\$164,300.00	\$246,200.00	\$0.00	\$14,800.00	\$14,800.00

Group 2 - RLR Intersections - Benefit/(Loss)

	RLR Intersections			Reference Intersections		
	Right Angle	Same Direction	<u>Total</u>	Right Angle	Same Direction	<u>Total</u>
Pre-Yr to Yr 1	(\$474,400.00)	(\$847,400.00)	(\$1,321,800.00)	\$105,700.00	(\$420,500.00)	(\$314,800.00)
Yr 1 to Yr 2	\$1,123,700.00	\$985,300.00	\$2,109,000.00	\$272,400.00	\$551,600.00	\$824,000.00

Group 2 - RLR Intersections - Benefit/(Loss) to Base Year

	RLR Intersections			Reference Intersections		
	Right Angle	Same Direction	<u>Total</u>	Right Angle	Same Direction	<u>Total</u>
Pre-Yr to Yr 1	(\$474,400.00)	(\$847,400.00)	(\$1,321,800.00)	\$105,700.00	(\$420,500.00)	(\$314,800.00)
Pre-Yr to Yr 2	\$649,300.00	\$137,900.00	\$787,200.00	\$378,100.00	\$131,100.00	\$509,200.00

Group 3 - RLR Intersections - Benefit/(Loss)

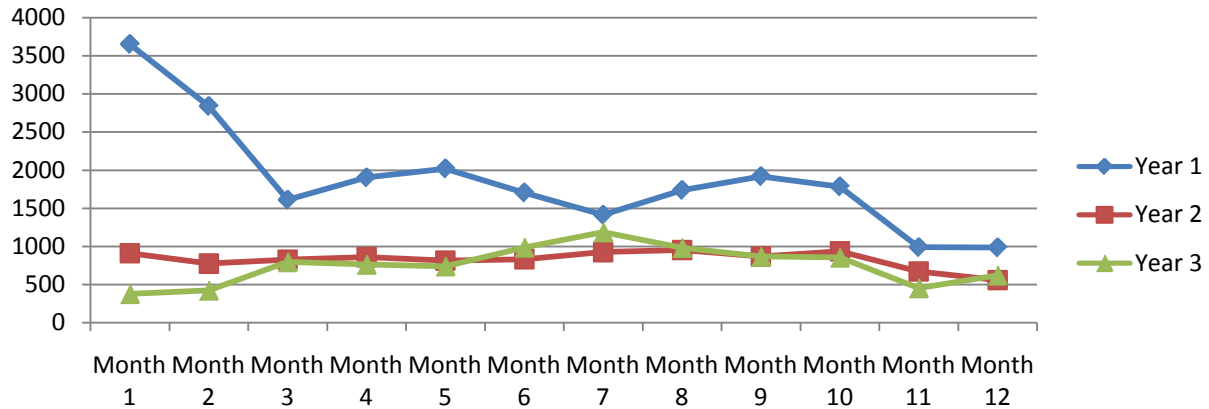
	RLR Intersections			Reference Intersections		
	Right Angle	Same Direction	<u>Total</u>	Right Angle	Same Direction	<u>Total</u>
Pre-Yr to Yr 1	\$788,300.00	\$1,387,800.00	\$2,176,100.00	(\$3,880,400.00)	(\$452,500.00)	(\$4,332,900.00)

Group 3 - RLR Intersections - Benefit/(Loss) to Base Year

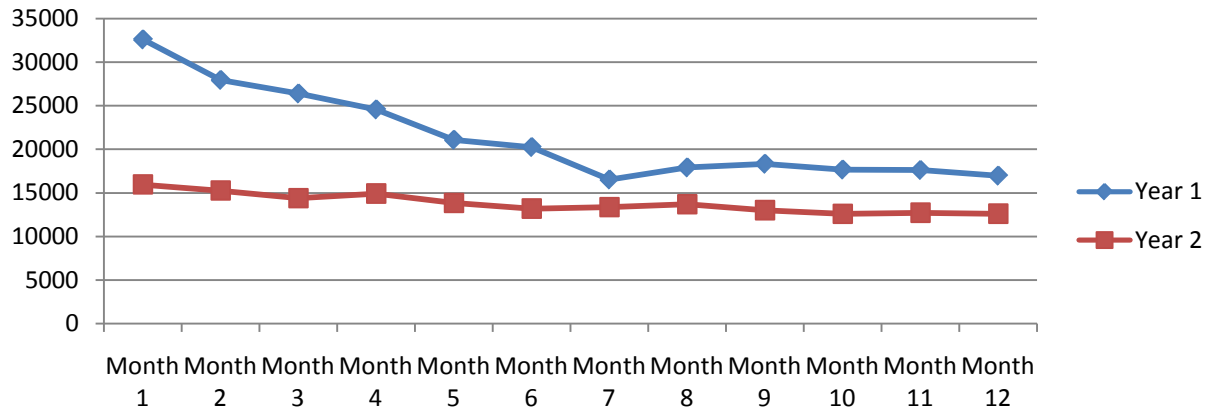
	RLR Intersections			Reference Intersections		
	Right Angle	Same Direction	<u>Total</u>	Right Angle	Same Direction	<u>Total</u>
Pre-Yr to Yr 1	\$788,300.00	\$1,387,800.00	\$2,176,100.00	(\$3,880,400.00)	(\$452,500.00)	(\$4,332,900.00)

Yearly Citation Data

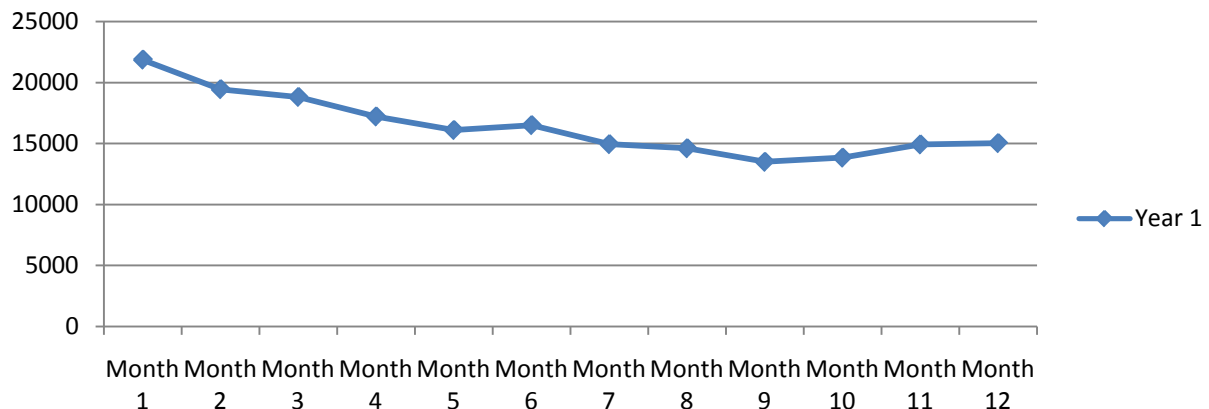
Group 1 - 39:4-81 Yearly Citation Totals



Group 2 - 39:4-81 Yearly Citation Totals



Group 3 - 39:4-81 Yearly Citation Totals



YEAR 1 – MUNICIPAL DATA
CRASH DATA AND COST/BENEFIT
ANALYSIS
CITATION DATA AND GRAPHS
(for locations with one year of operation)



Crash Data and Cost/Benefit Analysis: Cherry Hill Township – Year 1

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
Route 70 and Springdale Road	Cherry Hill	Camden	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	1	\$79,000	0	\$0	\$79,000
			C	0	\$0	0	\$0	\$0	14	\$628,600	5	\$224,500	\$404,100
			PDO	1	\$7,400	1	\$7,400	\$0	21	\$155,400	21	\$155,400	\$0
				Total Cost/Benefit			\$0	Total Cost/Benefit			\$483,100		
Total Benefit (Loss)	\$483,100												

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
Route 38 and Chapel Avenue	Cherry Hill	Camden	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	1	\$79,000	(\$79,000)
			C	0	\$0	1	\$44,900	(\$44,900)	7	\$314,300	8	\$359,200	(\$44,900)
			PDO	0	\$0	0	\$0	\$0	15	\$111,000	20	\$148,000	(\$37,000)
					Total Cost/Benefit		(\$44,900)			Total Cost/Benefit		(\$160,900)	
Total Benefit (Loss)		(\$205,800)											

Crash Data and Cost/Benefit Analysis: East Brunswick Township – Year 1

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
Route 18 and Tices Lane	East Brunswick	Middlesex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	1	\$44,900	1	\$44,900	\$0	10	\$449,000	6	\$269,400	\$179,600
			PDO	0	\$0	0	\$0	\$0	20	\$148,000	23	\$170,200	(\$22,200)
				Total Cost/Benefit		\$0				Total Cost/Benefit		\$157,400	

Total Benefit (Loss)	\$157,400
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				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
Route 18 and Edgeboro Road	East Brunswick	Middlesex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	1	\$79,000	0	\$0	\$79,000
			C	1	\$44,900	1	\$44,900	\$0	7	\$314,300	6	\$269,400	\$44,900
			PDO	1	\$7,400	1	\$7,400	\$0	24	\$177,600	13	\$96,200	\$81,400
					Total Cost/Benefit		\$0			Total Cost/Benefit		\$205,300	

Total Benefit (Loss)	\$205,300
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Crash Data and Cost/Benefit Analysis: Edison Township – Year 1

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
US Rt 1 and Plainfield Ave	Edison	Middlesex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	1	\$216,000	0	\$0	\$216,000	1	\$216,000	0	\$0	\$216,000
			B	2	\$158,000	0	\$0	\$158,000	6	\$474,000	1	\$79,000	\$395,000
			C	1	\$44,900	2	\$89,800	(\$44,900)	22	\$987,800	15	\$673,500	\$314,300
			PDO	2	\$14,800	1	\$7,400	\$7,400	25	\$185,000	29	\$214,600	(\$29,600)
						Total Benefit/(Loss)				Total Benefit/(Loss)		\$895,700	
Total Benefit (Loss)	\$1,232,200												

				Right Angle Crashes					Same Direction Crashes					
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	
US Rt 1 and Prince St	Edison	Middlesex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			B	4	\$316,000	0	\$0	\$316,000	3	\$237,000	2	\$158,000	\$79,000	
			C	1	\$44,900	0	\$0	\$44,900	5	\$224,500	4	\$179,600	\$44,900	
			PDO	0	\$0	0	\$0	\$0	25	\$185,000	25	\$185,000	\$0	
						Total Benefit/(Loss)		\$360,900				Total Benefit/(Loss)		\$123,900
Total Benefit (Loss)		\$484,800												

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
US Rt 1 and Wooding Ave	Edison	Middlesex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	1	\$79,000	0	\$0	\$79,000	1	\$79,000	0	\$0	\$79,000
			C	1	\$44,900	0	\$0	\$44,900	4	\$179,600	1	\$44,900	\$134,700
			PDO	1	\$7,400	1	\$7,400	\$0	18	\$133,200	14	\$103,600	\$29,600
					Total Benefit/(Loss)		\$123,900			Total Benefit/(Loss)		\$243,300	
Total Benefit (Loss)		\$367,200											

Crash Data and Cost/Benefit Analysis: Edison Township – Year 1 (Continued)

				Right Angle Crashes					Same Direction Crashes					
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	
US Rt 1 and Forest Haven Blvd	Edison	Middlesex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			B	0	\$0	0	\$0	\$0	1	\$79,000	0	\$0	\$79,000	
			C	1	\$44,900	0	\$0	\$44,900	4	\$179,600	8	\$359,200	(\$179,600)	
			PDO	3	\$22,200	0	\$0	\$22,200	11	\$81,400	17	\$125,800	(\$44,400)	
						Total Benefit/(Loss)		\$67,100				Total Benefit/(Loss)		(\$145,000)
Total Benefit (Loss)		(\$77,900)												

Crash Data and Cost/Benefit Analysis: Glassboro Borough – Year 1 (Revised)

				Right Angle Crashes					Same Direction Crashes					
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	
Route 47 and William Dalton Drive	Glassboro	Gloucester	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			B	1	\$79,000	0	\$0	\$79,000	0	\$0	0	\$0	\$0	
			C	2	\$89,800	0	\$0	\$89,800	1	\$44,900	1	\$44,900	\$0	
			PDO	0	\$0	0	\$0	\$0	3	\$22,200	3	\$22,200	\$0	
						Total Benefit/(Loss)		\$168,800				Total Benefit/(Loss)		\$0
Total Benefit (Loss)		\$168,800												

Crash Data and Cost/Benefit Analysis: Jersey City – Year 1

				Right Angle Crashes					Same Direction Crashes							
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)			
JF Kennedy Blvd and Communipaw Ave	Jersey City	Hudson	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0			
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0			
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0			
			C	1	\$44,900	1	\$44,900	\$0	0	\$0	0	\$0	\$0			
			PDO	1	\$7,400	1	\$7,400	\$0	4	\$29,600	0	\$0	\$29,600			
						Total Benefit/(Loss)		\$0					Total Benefit/(Loss)		\$29,600	
Total Benefit (Loss)		\$29,600														

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
18th St and Jersey Ave	Jersey City	Hudson	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	1	\$44,900	0	\$0	\$44,900	0	\$0	0	\$0	\$0
			PDO	0	\$0	0	\$0	\$0	2	\$14,800	3	\$22,200	(\$7,400)
					Total Benefit/(Loss)		\$44,900			Total Benefit/(Loss)		(\$7,400)	
Total Benefit (Loss)	\$37,500												

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
Merseles Ave and Montgomery Blvd	Jersey City	Hudson	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	1	\$44,900	0	\$0	\$44,900
			PDO	0	\$0	1	\$7,400	(\$7,400)	3	\$22,200	1	\$7,400	\$14,800
				Total Benefit/(Loss)			(\$7,400)	Total Benefit/(Loss)			\$59,700		
Total Benefit (Loss)		\$52,300											

Crash Data and Cost/Benefit Analysis: Jersey City – Year 1 (Continued)

				Right Angle Crashes					Same Direction Crashes						
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)		
(Reference Intersection)	Jersey City	Hudson	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			C	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			PDO	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
						Total Benefit/(Loss)		\$0				Total Benefit/(Loss)		\$0	
Total Benefit (Loss)		\$0													

Crash Data and Cost/Benefit Analysis: Lawrence Township – Year 1

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
US Rt. 1 and Bakers Basin Rd	Lawrence Twp.	Mercer	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	9	\$404,100	10	\$449,000	(\$44,900)
			PDO	0	\$0	2	\$14,800	(\$14,800)	21	\$155,400	29	\$214,600	(\$59,200)
					Total Cost/Benefit		(\$14,800)			Total Cost/Benefit		(\$104,100)	
Total Benefit (Loss)	(\$118,900)												

				Right Angle Crashes					Same Direction Crashes						
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)		
US Rt. 206 and Franklin Corner Rd	Lawrence Twp.	Mercer	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
(Reference Location)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			C	0	\$0	1	\$44,900	(\$44,900)	2	\$89,800	2	\$89,800	\$0		
			PDO	0	\$0	0	\$0	\$0	8	\$59,200	11	\$81,400	(\$22,200)		
						Total Cost/Benefit		(\$44,900)				Total Cost/Benefit		(\$22,200)	
Total Benefit (Loss)		(\$67,100)													

Crash Data and Cost/Benefit Analysis: Monroe Township – Year 1

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
Rt. 42 and Rt. 322 / CR 536 Spur	Monroe Twp.	Gloucester	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	1	\$79,000	0	\$0	\$79,000	0	\$0	0	\$0	\$0
			C	1	\$44,900	3	\$134,700	(\$89,800)	1	\$44,900	5	\$224,500	(\$179,600)
			PDO	3	\$22,200	4	\$29,600	(\$7,400)	10	\$74,000	17	\$125,800	(\$51,800)
				Total Cost/Benefit			(\$18,200)	Total Cost/Benefit			(\$231,400)		
Total Benefit (Loss)		(\$249,600)											

				Right Angle Crashes					Same Direction Crashes						
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)		
Blackhorse Pike and New Brooklyn Rd	Monroe Twp.	Gloucester	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
(Reference Location)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			B	3	\$237,000	0	\$0	\$237,000	0	\$0	0	\$0	\$0		
			C	0	\$0	1	\$44,900	(\$44,900)	4	\$179,600	3	\$134,700	\$44,900		
			PDO	0	\$0	0	\$0	\$0	6	\$44,400	3	\$22,200	\$22,200		
						Total Cost/Benefit		\$192,100				Total Cost/Benefit		\$67,100	
Total Benefit (Loss)		\$259,200													

Crash Data and Cost/Benefit Analysis: Newark City – Year 1

				Right Angle Crashes					Same Direction Crashes					
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Year	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Year	Cost	Year 1	Cost	Difference Benefit (Loss)	
Doremus Ave. & Wilson Ave.	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			C	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			PDO	0	\$0	0	\$0	\$0	0	\$0	1	\$7,400	(\$7,400)	
						Total Benefit/(Loss)		\$0				Total Benefit/(Loss)		(\$7,400)
Total Benefit (Loss)		(\$7,400)												

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
Market St and University Ave	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	1	\$44,900	(\$44,900)	1	\$44,900	0	\$0	\$44,900
			PDO	1	\$7,400	1	\$7,400	\$0	1	\$7,400	1	\$7,400	\$0
					Total Benefit/(Loss)		(\$44,900)			Total Benefit/(Loss)		\$44,900	
Total Benefit (Loss)		\$0											

				Right Angle Crashes					Same Direction Crashes					
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	
Market St and Washington St	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			C	0	\$0	0	\$0	\$0	1	\$44,900	0	\$0	\$44,900	
			PDO	1	\$7,400	0	\$0	\$7,400	0	\$0	2	\$14,800	(\$14,800)	
						Total Benefit/(Loss)		\$7,400				Total Benefit/(Loss)		\$30,100
Total Benefit (Loss)		\$37,500												

Crash Data and Cost/Benefit Analysis: Newark City – Year 1 (Continued)

				Right Angle Crashes					Same Direction Crashes					
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	
Stockton St. & Delancy St.	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			C	0	\$0	0	\$0	\$0	0	\$0	1	\$44,900	(\$44,900)	
			PDO	0	\$0	0	\$0	\$0	0	\$0	3	\$22,200	(\$22,200)	
						Total Benefit/(Loss)		\$0				Total Benefit/(Loss)		(\$67,100)
Total Benefit (Loss)	(\$67,100)													

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera (2009)	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera (2009)	Cost	Year 1	Cost	Difference Benefit (Loss)
Broad St. & E. / W. Kinney St.	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	0	\$0	2	\$89,800	(\$89,800)
			PDO	0	\$0	1	\$7,400	(\$7,400)	3	\$22,200	2	\$14,800	\$7,400
						Total Benefit/(Loss)				Total Benefit/(Loss)		(\$82,400)	
Total Benefit (Loss)		(\$89,800)											

				Right Angle Crashes					Same Direction Crashes						
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera (2009)	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera (2009)	Cost	Year 1	Cost	Difference Benefit (Loss)		
Ferry St. & Van Buren St.	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			C	0	\$0	0	\$0	\$0	0	\$0	1	\$44,900	(\$44,900)		
			PDO	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
						Total Benefit/(Loss)		\$0					Total Benefit/(Loss)		(\$44,900)
Total Benefit (Loss)		(\$44,900)													

Crash Data and Cost/Benefit Analysis: Palisades Park Borough – Year 1

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
Rt 63 (Bergen Blvd) and Edsall Blvd	Palisades Park	Bergen	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	1	\$79,000	(\$79,000)	2	\$158,000	1	\$79,000	\$79,000
			C	1	\$44,900	2	\$89,800	(\$44,900)	4	\$179,600	3	\$134,700	\$44,900
			PDO	3	\$22,200	2	\$14,800	\$7,400	4	\$29,600	1	\$7,400	\$22,200
							Total Benefit/(Loss)	(\$116,500)				Total Benefit/(Loss)	\$146,100
Total Benefit (Loss)		\$29,600											

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
Grand Ave and Central Blvd	Palisades Park	Bergen	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	1	\$79,000	0	\$0	\$79,000	0	\$0	0	\$0	\$0
			C	1	\$44,900	1	\$44,900	\$0	2	\$89,800	3	\$134,700	(\$44,900)
			PDO	2	\$14,800	2	\$14,800	\$0	4	\$29,600	1	\$7,400	\$22,200
				Total Benefit/(Loss)			\$79,000	Total Benefit/(Loss)			\$22,700		
Total Benefit (Loss)	\$56,300												

Crash Data and Cost/Benefit Analysis: Piscataway Township – Year 1

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
Old New Brunswick Rd and Centennial Ave	Piscataway	Middlesex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	1	\$44,900	(\$44,900)	2	\$89,800	1	\$44,900	\$44,900
			PDO	1	\$7,400	1	\$7,400	\$0	12	\$88,800	15	\$111,000	(\$22,200)
				Total Benefit/(Loss)			(\$44,900)	Total Benefit/(Loss)			\$22,700		
Total Benefit (Loss)		(\$22,200)											

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
So Randolphville Rd and Centennial Ave	Piscataway	Middlesex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	2	\$89,800	0	\$0	\$89,800
			PDO	0	\$0	0	\$0	\$0	3	\$22,200	2	\$14,800	\$7,400
					Total Benefit/(Loss)		\$0			Total Benefit/(Loss)		\$97,200	
Total Benefit (Loss)		\$97,200											

				Right Angle Crashes					Same Direction Crashes					
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	
So. Washington Ave and Centennial Ave	Piscataway	Middlesex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			B	0	\$0	1	\$79,000	(\$79,000)	2	\$158,000	0	\$0	\$158,000	
			C	0	\$0	2	\$89,800	(\$89,800)	5	\$224,500	3	\$134,700	\$89,800	
			PDO	0	\$0	1	\$7,400	(\$7,400)	19	\$140,600	12	\$88,800	\$51,800	
						Total Benefit/(Loss)		(\$176,200)				Total Benefit/(Loss)		\$299,600
Total Benefit (Loss)		\$123,400												

Crash Data and Cost/Benefit Analysis: Pohatcong Township – Year 1

				Right Angle Crashes					Same Direction Crashes					
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	
US Rt 22 and CR 519	Pohatcong	Warren	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			C	0	\$0	0	\$0	\$0	6	\$269,400	2	\$89,800	\$179,600	
			PDO	2	\$14,800	1	\$7,400	\$7,400	10	\$74,000	9	\$66,600	\$7,400	
						Total Cost/Benefit		\$7,400				Total Cost/Benefit		\$187,000

Total Benefit (Loss)	\$194,400
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				Right Angle Crashes					Same Direction Crashes						
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)		
US Rt 22 and CR 638	Pohatcong	Warren	K	0	\$0	1	\$4,008,900	(\$4,008,900)	0	\$0	0	\$0	\$0		
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			B	0	\$0	1	\$79,000	(\$79,000)	1	\$79,000	2	\$158,000	(\$79,000)		
			C	1	\$44,900	0	\$0	\$44,900	5	\$224,500	3	\$134,700	\$89,800		
			PDO	1	\$7,400	0	\$0	\$7,400	10	\$74,000	21	\$155,400	(\$81,400)		
						Total Cost/Benefit		(\$4,035,600)				Total Cost/Benefit		(\$70,600)	

Total Benefit (Loss)	(\$4,106,200)
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Crash Data and Cost/Benefit Analysis: Rahway City – Year 1

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
Rt 1 and East Milton	Rahway	Union	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	1	\$79,000	0	\$0	\$79,000	0	\$0	1	\$79,000	(\$79,000)
			C	1	\$44,900	0	\$0	\$44,900	8	\$359,200	14	\$628,600	(\$269,400)
			PDO	0	\$0	1	\$7,400	(\$7,400)	21	\$155,400	22	\$162,800	(\$7,400)
				Total Cost/Benefit			\$116,500	Total Cost/Benefit			(\$355,800)		
Total Benefit (Loss)	(\$239,300)												

				Right Angle Crashes					Same Direction Crashes					
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	
Rt 27 and Maple Ave	Rahway	Union	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			C	1	\$44,900	0	\$0	\$44,900	1	\$44,900	1	\$44,900	\$0	
			PDO	1	\$7,400	1	\$7,400	\$0	0	\$0	6	\$44,400	(\$44,400)	
						Total Cost/Benefit		\$44,900				Total Cost/Benefit		(\$44,400)
Total Benefit (Loss)	\$500													

				Right Angle Crashes					Same Direction Crashes					
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	
US Rt 1 and E Grand	Rahway	Union	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			B	1	\$79,000	0	\$0	\$79,000	0	\$0	1	\$79,000	(\$79,000)	
			C	1	\$44,900	0	\$0	\$44,900	5	\$224,500	6	\$269,400	(\$44,900)	
			PDO	4	\$29,600	0	\$0	\$29,600	11	\$81,400	18	\$133,200	(\$51,800)	
						Total Benefit/(Loss)		\$153,500				Total Benefit/(Loss)		(\$175,700)
Total Benefit (Loss)		(\$22,200)												

Crash Data and Cost/Benefit Analysis: Rahway City – Year 1 (Continued)

				Right Angle Crashes					Same Direction Crashes						
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)		
NJ Rt 27 and W Milton	Rahway	Union	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			C	0	\$0	2	\$89,800	(\$89,800)	0	\$0	1	\$44,900	(\$44,900)		
			PDO	0	\$0	1	\$7,400	(\$7,400)	5	\$37,000	3	\$22,200	\$14,800		
						Total Benefit/(Loss)		(\$97,200)				Total Benefit/(Loss)		(\$30,100)	
Total Benefit (Loss)		(\$127,300)													

Crash Data and Cost/Benefit Analysis: Roselle Park Borough – Year 1

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
NJ Rt 28 and Locust St	Roselle Park	Union	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	4	\$179,600	7	\$314,300	(\$134,700)
			PDO	3	\$22,200	4	\$29,600	(\$7,400)	0	\$0	9	\$66,600	(\$66,600)
					Total Benefit/(Loss)		(\$7,400)				Total Benefit/(Loss)		(\$201,300)
Total Benefit (Loss)		(\$208,700)											

				Right Angle Crashes					Same Direction Crashes						
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)		
(Reference Intersection)	Roselle Park	Union	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			C	0	\$0	0	\$0	\$0	0	\$0	1	\$44,900	(\$44,900)		
			PDO	0	\$0	0	\$0	\$0	0	\$0	3	\$22,200	(\$22,200)		
						Total Benefit/(Loss)		\$0				Total Benefit/(Loss)		(\$67,100)	
Total Benefit (Loss)		(\$67,100)													

Crash Data and Cost/Benefit Analysis: Wayne Township – Year 1

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
Paterson-Hamburg Tpk and	Wayne	Passaic	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
Black Oak Ridge Rd			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	0	\$0	1	\$44,900	(\$44,900)
			PDO	1	\$7,400	0	\$0	\$7,400	7	\$51,800	3	\$22,200	\$29,600
						Total Benefit/(Loss)		\$7,400			Total Benefit/(Loss)		(\$15,300)
Total Benefit (Loss)	(\$7,900)												

				Right Angle Crashes					Same Direction Crashes					
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	
Paterson-Hamburg Tpk and Colfax Ave	Wayne	Passaic	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			C	1	\$44,900	0	\$0	\$44,900	0	\$0	0	\$0	\$0	
			PDO	0	\$0	0	\$0	\$0	4	\$29,600	0	\$0	\$29,600	
						Total Benefit/(Loss)		\$44,900				Total Benefit/(Loss)		\$29,600
Total Benefit (Loss)		\$74,500												

Crash Data and Cost/Benefit Analysis: Woodbridge Township – Year 1

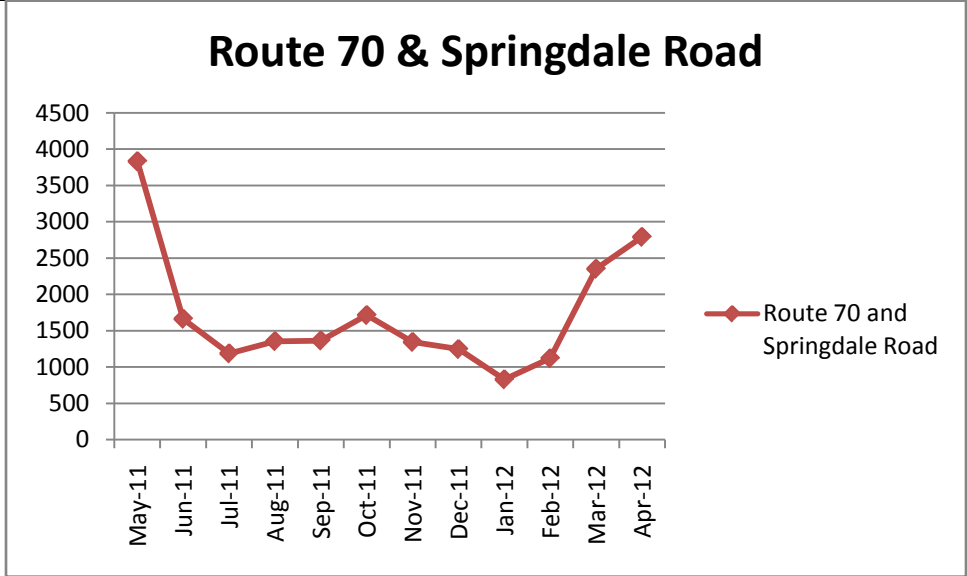
				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
US Rt 1 and Avenel St	Woodbridge	Middlesex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	1	\$44,900	4	\$179,600	(\$134,700)
			PDO	0	\$0	0	\$0	\$0	8	\$59,200	6	\$44,400	\$14,800
					Total Benefit/(Loss)		\$0			Total Benefit/(Loss)		(\$119,900)	
Total Benefit (Loss)	(\$119,900)												

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
US Rt 1 and Green St	Woodbridge	Middlesex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	7	\$314,300	2	\$89,800	\$224,500
			PDO	0	\$0	1	\$7,400	(\$7,400)	3	\$22,200	6	\$44,400	(\$22,200)
				Total Benefit/(Loss)			(\$7,400)	Total Benefit/(Loss)			\$202,300		
Total Benefit (Loss)	\$194,900												

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
US Rt 1 and Smith St	Woodbridge	Middlesex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	1	\$79,000	0	\$0	\$79,000	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	0	\$0	1	\$44,900	(\$44,900)
			PDO	2	\$14,800	0	\$0	\$14,800	4	\$29,600	2	\$14,800	\$14,800
					Total Benefit/(Loss)		\$93,800			Total Benefit/(Loss)		(\$30,100)	
Total Benefit (Loss)	\$63,700												

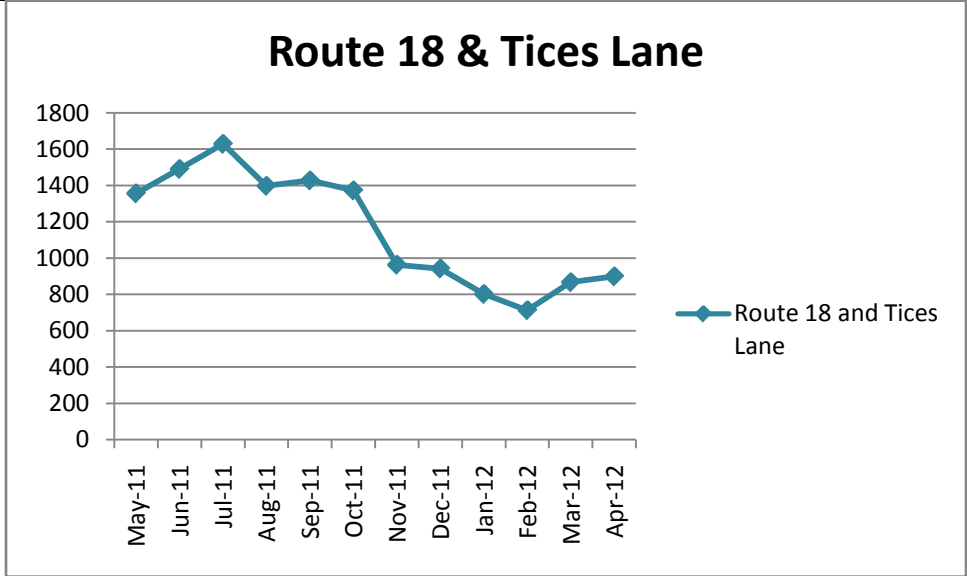
Citation Data Analysis: **Cherry Hill Township – Year 1**

Citations (39:4-81)	Municipality	County	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	Total for Year 1
Route 70 and Springdale Road	Cherry Hill	Camden	3833	1664	1188	1356	1365	1715	1345	1247	831	1121	2352	2791	20808



Citation Data Analysis: East Brunswick Township – Year 1

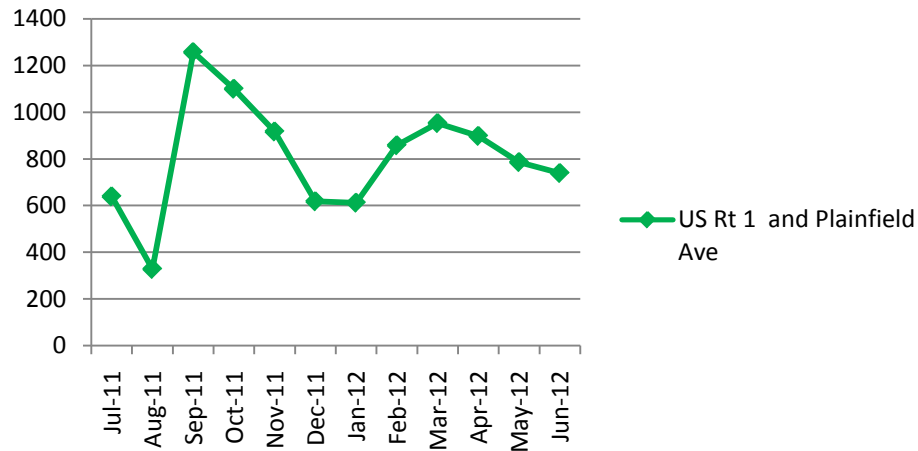
Citations (39:4-81)	Municipality	County	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	Total for Year 1
Route 18 and Tices Lane	East Brunswick	Middlesex	1356	1490	1628	1397	1427	1372	963	942	802	713	867	899	13856



Citation Data Analysis: Edison Township – Year 1

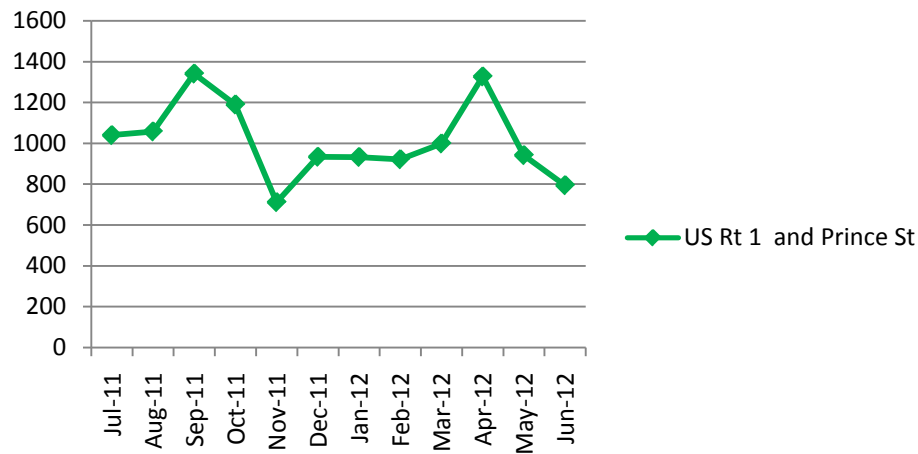
Citations (39:4-81)	Municipality	County	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total for Year 1
US Rt 1 and Plainfield Ave	Edison	Middlesex	639	328	1257	1100	917	618	612	858	953	898	786	739	9705

US Rt 1 and Plainfield Ave



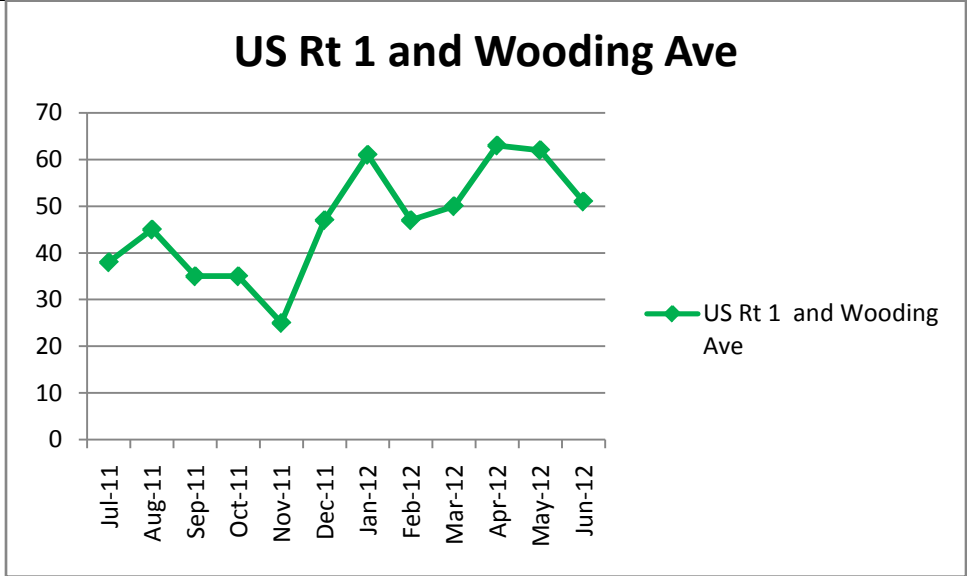
Citations (39:4-81)	Municipality	County	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total for Year 1
US Rt 1 and Prince St	Edison	Middlesex	1040	1058	1341	1190	712	934	933	922	999	1327	942	795	12193

US Rt 1 and Prince St



Citation Data Analysis: Edison Township – Year 1 (Continued)

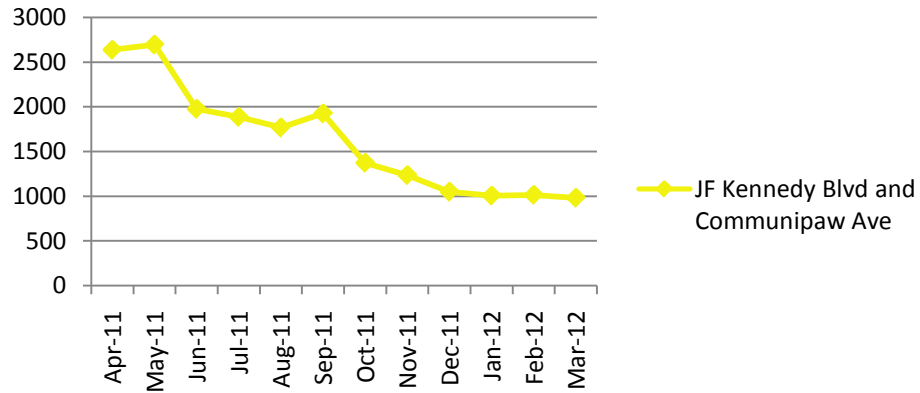
Citations (39:4-81)	Municipality	County	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total for Year 1
US Rt 1 and Wooding Ave	Edison	Middlesex	38	45	35	35	25	47	61	47	50	63	62	51	559



Citation Data Analysis: Jersey City – Year 1

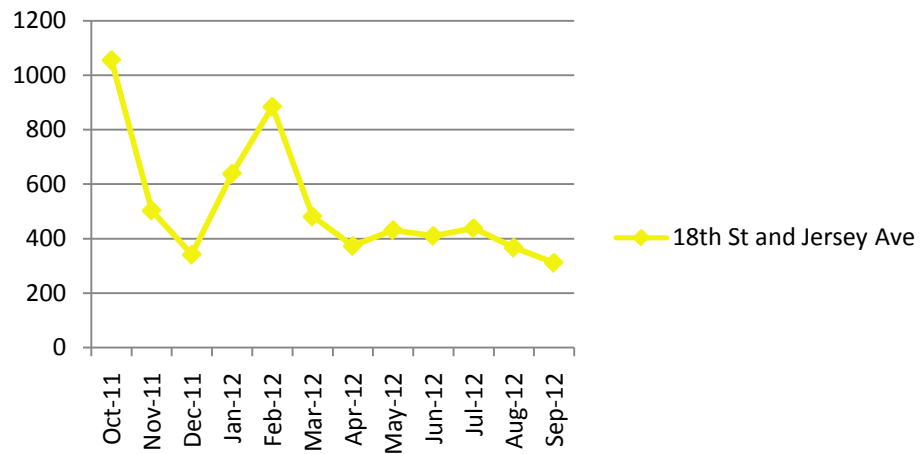
Citations (39:4-81)	Municipality	County	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Total for Year 1
JF Kennedy Blvd and Communipaw Ave	Jersey City	Hudson	2638	2696	1977	1886	1768	1925	1373	1235	1049	1005	1014	981	19547

JF Kennedy Blvd and Communipaw Ave



Citations (39:4-81)	Municipality	County	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Total for Year 1
18th St and Jersey Ave	Jersey City	Hudson	1055	503	341	638	884	481	373	431	410	438	367	311	6232

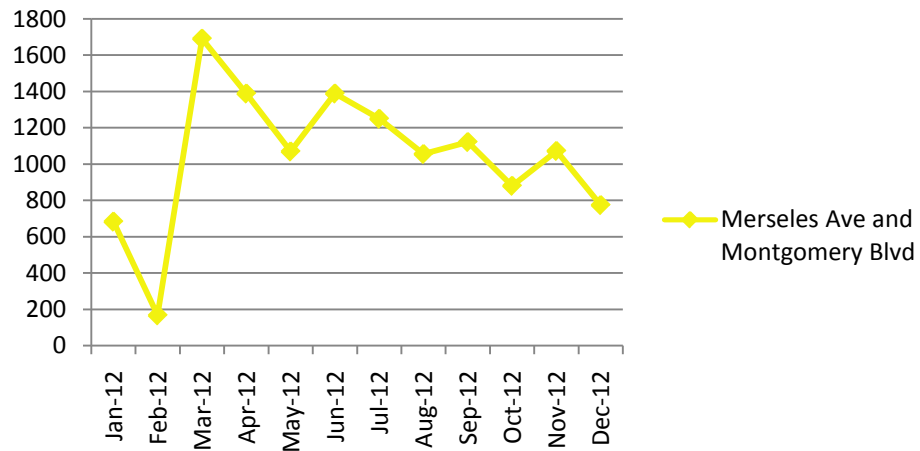
18th Street and Jersey Avenue



Citation Data Analysis: Jersey City – Year 1 (Continued)

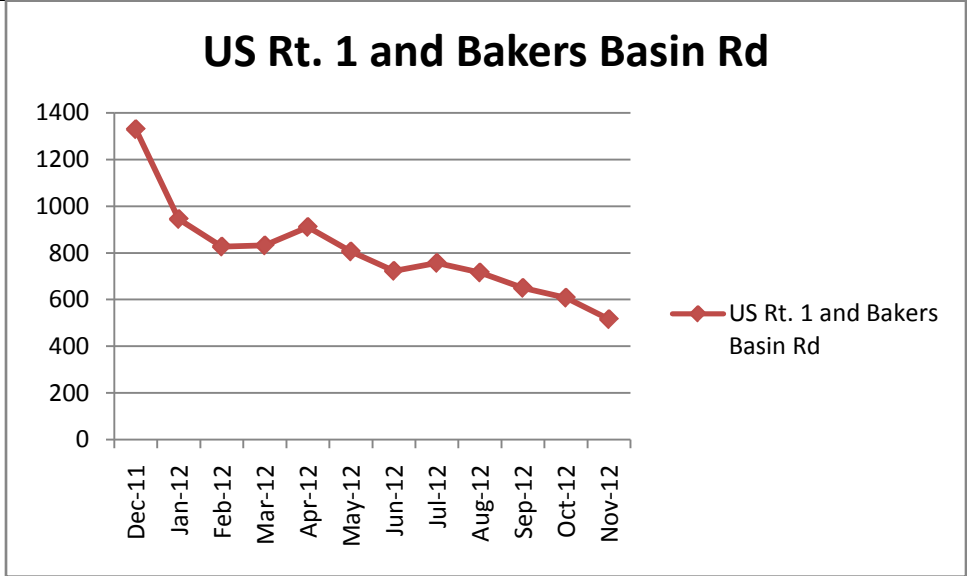
Citations (39:4-81)	Municipality	County	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Total for Year 1
Merseles Ave and Montgomery Blvd	Jersey City	Hudson	683	167	1690	1388	1069	1388	1249	1055	1121	880	1072	774	12536

Merseles Ave and Montgomery Blvd



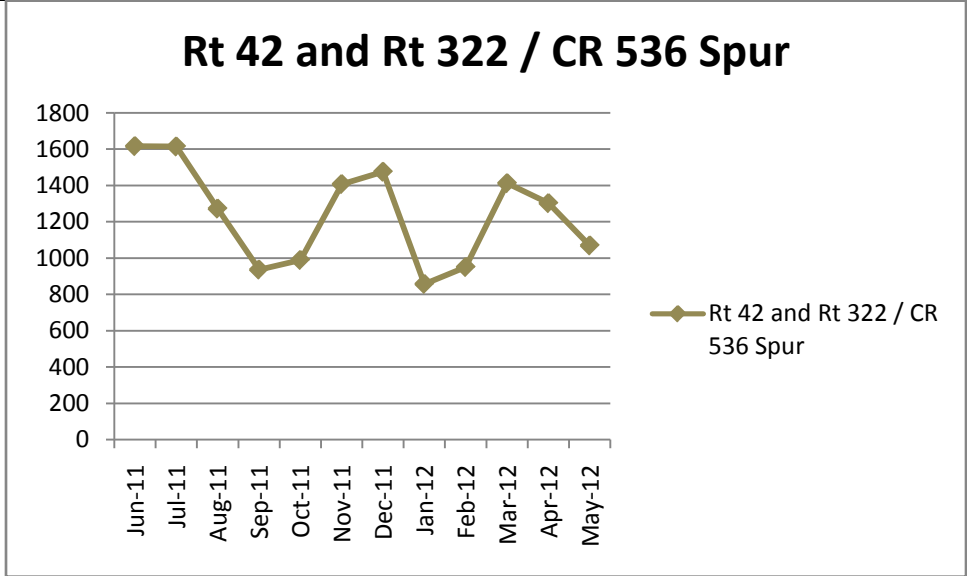
Citation Data Analysis: Lawrence Township – Year 1

Citations (39:4-81)	Municipality	County	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Total for Year 1
US Rt. 1 and Bakers Basin Rd	Lawrence Twp	Mercer	1330	945	827	832	911	806	723	757	716	650	608	516	9621



Citation Data Analysis: Monroe Township – Year 1

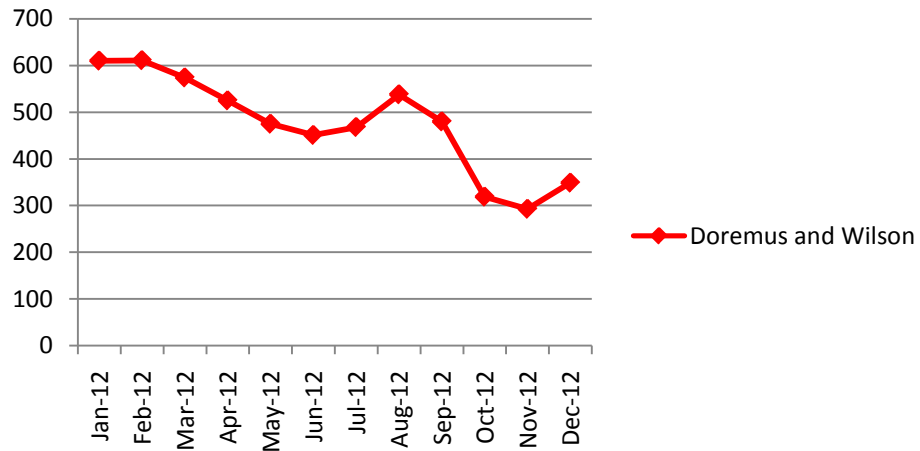
Citations (39:4-81)	Municipality	County	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Total for Year 1
Rt 42 and Rt 322 / CR 536 Spur	Lawrence Twp	Mercer	1616	1614	1272	936	989	1407	1475	857	950	1412	1302	1069	14899



Citation Data Analysis: Newark City – Year 1

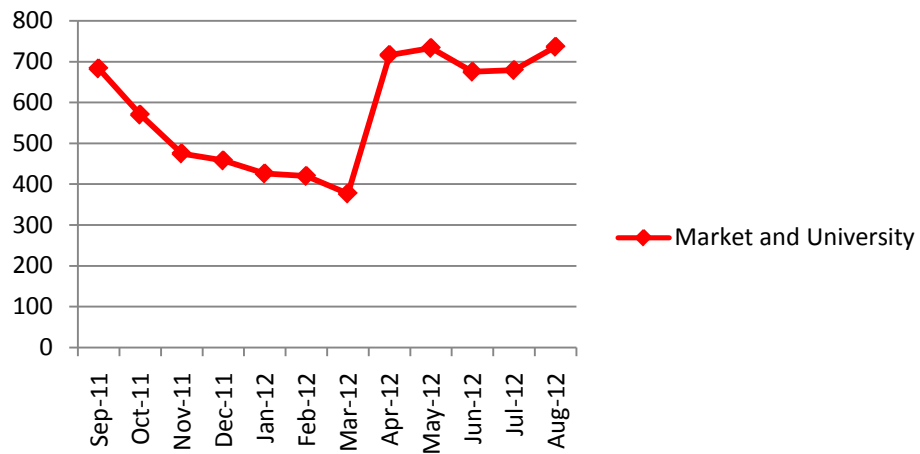
Citations (39:4-81)	Municipality	County	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Total for Year 2
Doremus and Wilson	Newark	Essex	610	611	574	525	475	451	468	538	480	319	293	349	5693

Doremus Ave and Wilson Ave



Citations (39:4-81)	Municipality	County	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Total for Year 1
Market and University	Newark	Essex	683	570	475	458	426	420	377	716	733	675	679	736	6948

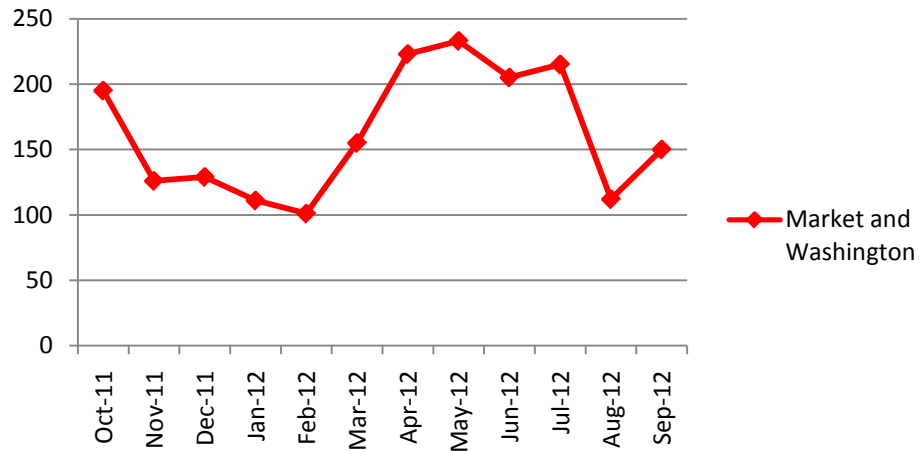
Market and University



Citation Data Analysis: Newark City – Year 1 (Continued)

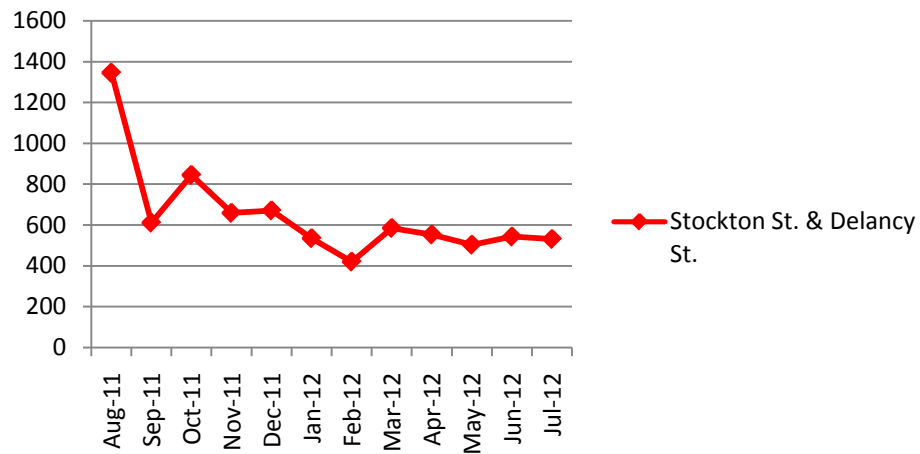
Citations (39:4-81)	Municipality	County	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Total for Year 1
Market and Washington	Newark	Essex	195	126	129	111	101	155	223	233	205	215	112	150	1955

Market and Washington



Citations (39:4-81)	Municipality	County	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Total for Year 1
Stockton St. & Delancy St.	Newark	Essex	1346	611	845	659	671	535	420	585	553	503	543	531	7802

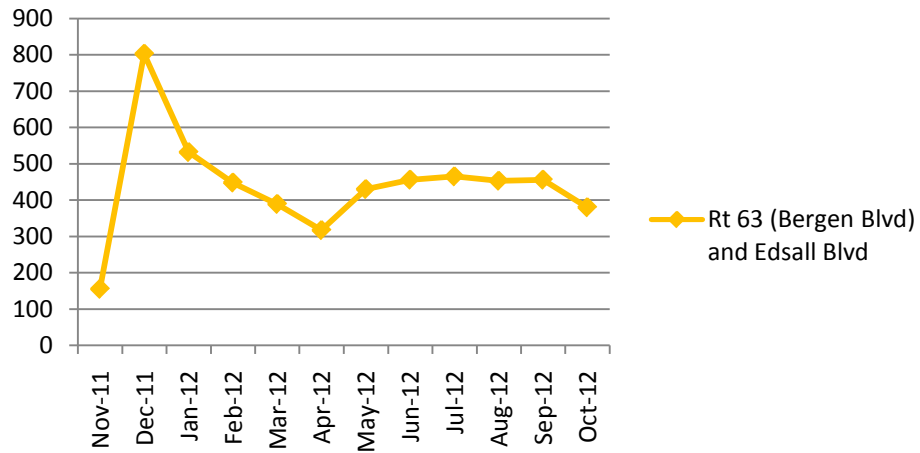
Stockton St and Delancy St



Citation Data Analysis: Palisades Park Borough – Year 1

Citations (39:4-81)	Municipality	County	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Total for Year 1
Rt 63 (Bergen Blvd) and Edsall Blvd	Palisades park	Bergen	155	803	532	448	389	317	430	456	465	453	456	380	5284

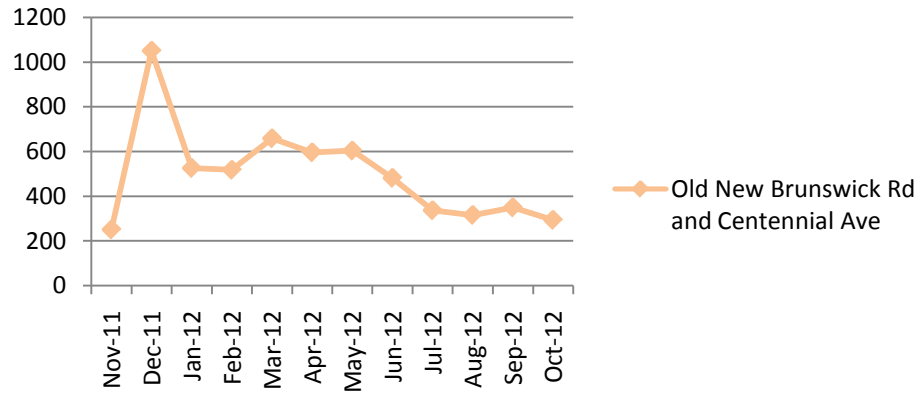
Rt 63 (Bergen Blvd) and Edsall Blvd



Citation Data Analysis: Piscataway Township – Year 1

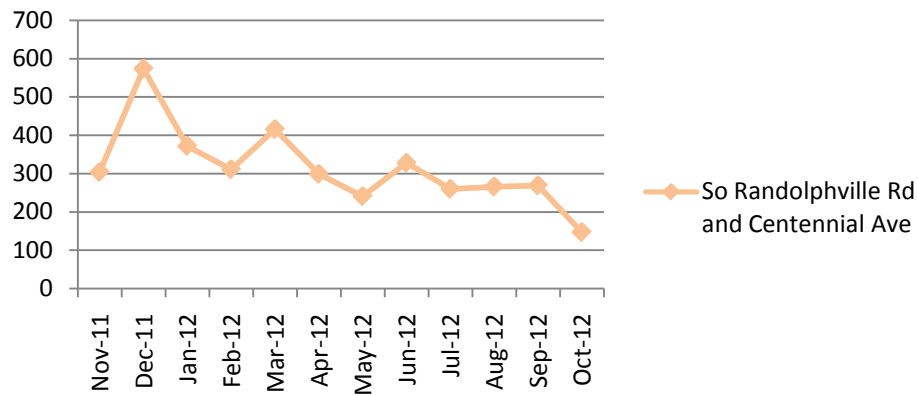
Citations (39:4-81)	Municipality	County	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Total for Year 1
Old New Brunswick Rd and Centennial Ave	Piscataway	Middlesex	251	1051	526	518	659	596	604	482	337	316	350	294	5984

Old New Brunswick Rd and Centennial Ave



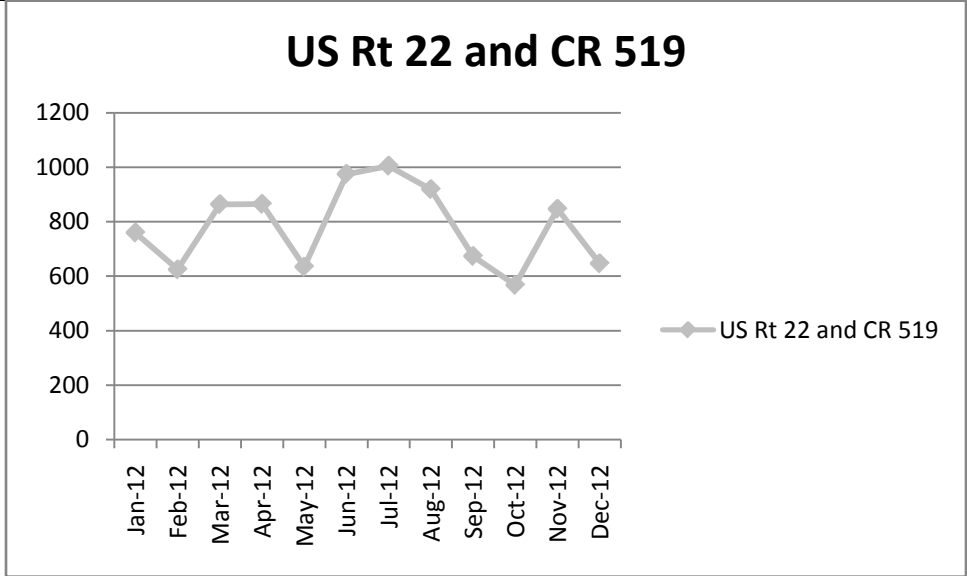
Citations (39:4-81)	Municipality	County	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Total for Year 1
So Randolphville Rd and Centennial Ave	Piscataway	Middlesex	304	574	372	311	416	299	241	328	260	266	269	147	3787

So Randolphville Rd and Centennial Ave



Citation Data Analysis: Pohatcong Township – Year 1

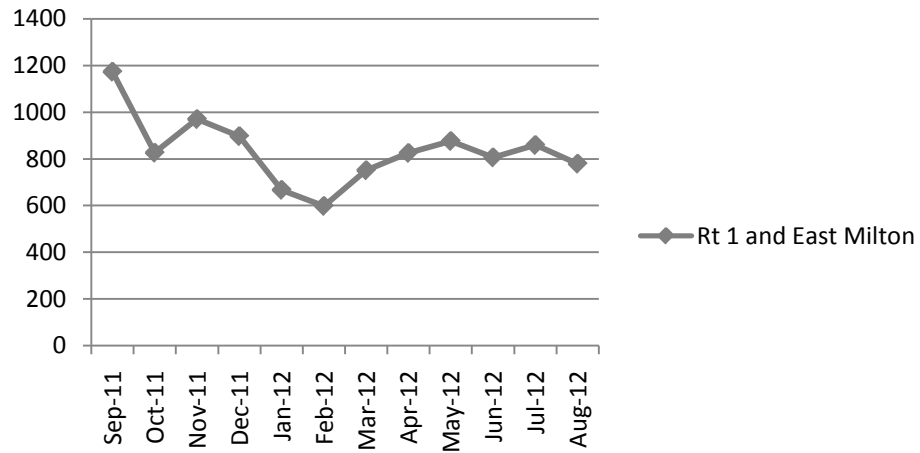
Citations (39:4-81)	Municipality	County	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Total for Year 1
US Rt 22 and CR 519	Pohatcong Twp	Warren	760	625	864	865	635	975	1005	919	674	568	847	647	9384



Citation Data Analysis: Rahway City – Year 1

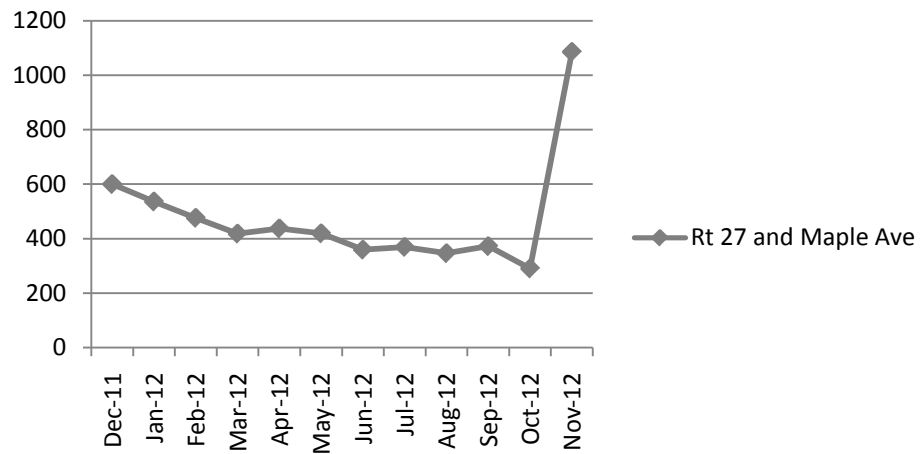
Citations (39:4-81)	Municipality	County	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Total for Year 1
Rt 1 and East Milton	Rahway	Union	1173	826	970	897	667	598	751	825	876	806	859	779	10027

Rt 1 and East Milton



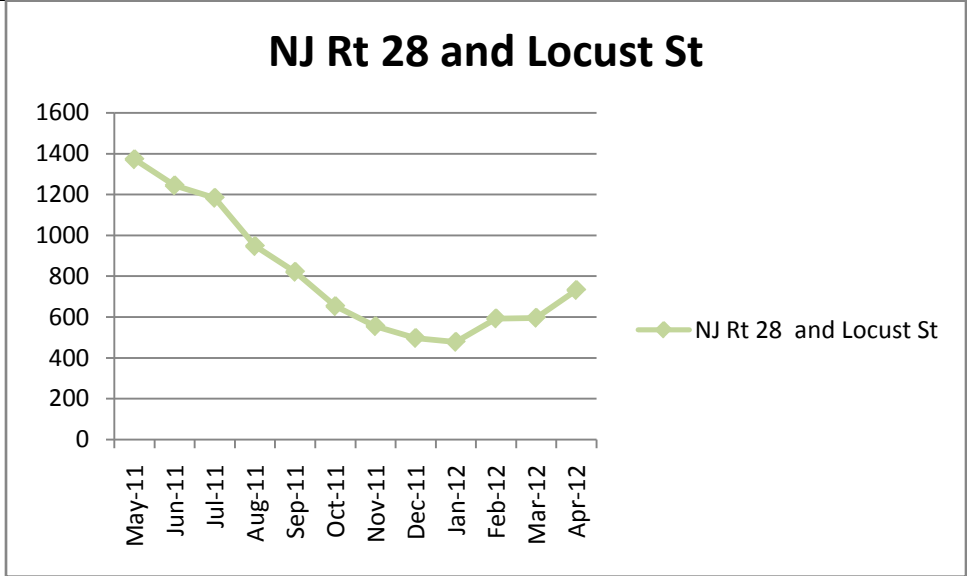
Citations (39:4-81)	Municipality	County	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Total for Year 1
Rt 27 and Maple Ave	Rahway	Union	600	536	476	418	437	419	359	369	346	372	290	1086	5708

Rt 27 and Maple Ave



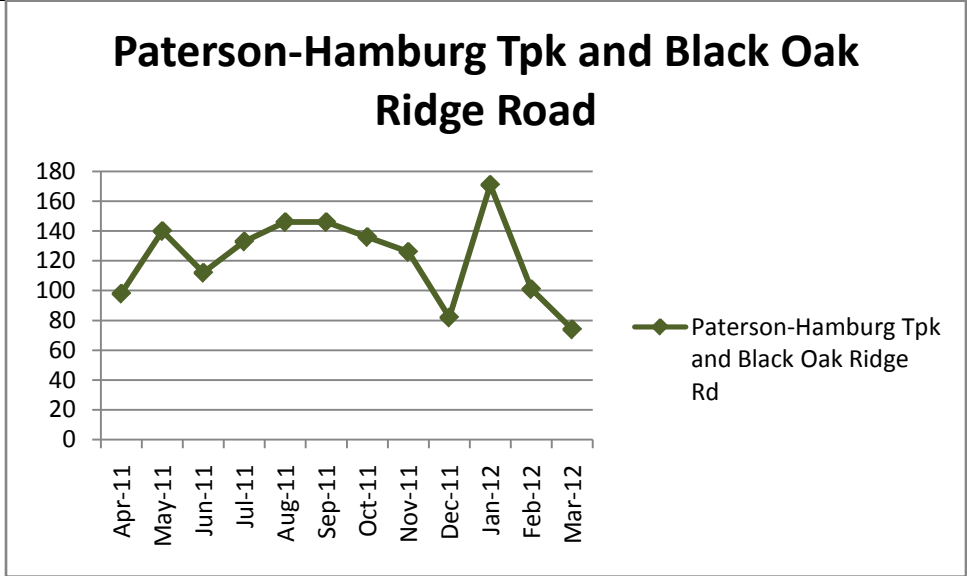
Citation Data Analysis: Roselle Park Borough – Year 1

Citations (39:4-81)	Municipality	County	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	Total for Year 1
NJ Rt 28 and Locust St	Roselle Park	Union	1372	1244	1183	947	821	653	555	497	478	593	596	732	9671



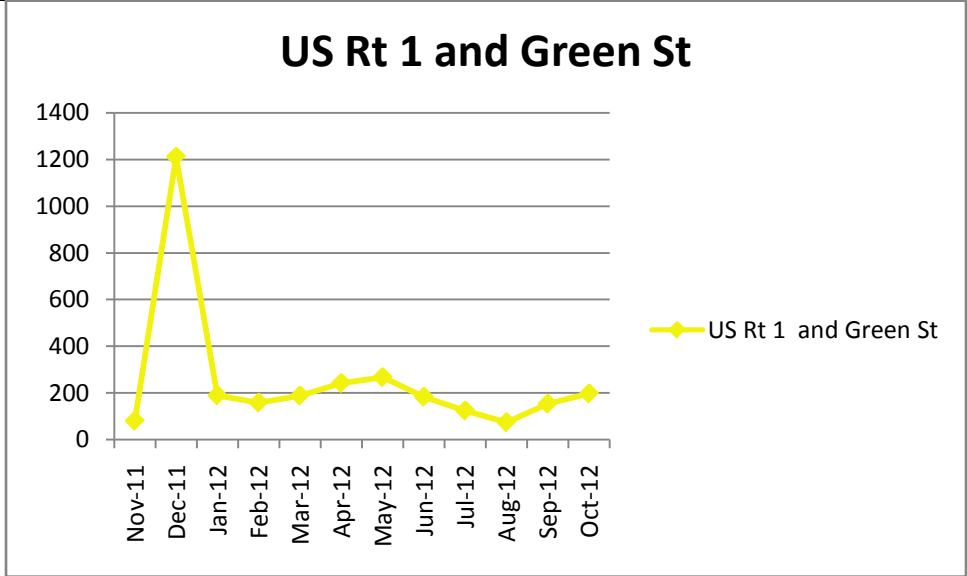
Citation Data Analysis: Wayne Township – Year 1

Citations (39:4-81)	Municipality	County	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Total for Year 1
Paterson-Hamburg Tpk and Black Oak Ridge Rd	Wayne	Passaic	98	140	112	133	146	146	136	126	82	171	101	74	1465



Citation Data Analysis: Woodbridge Township – Year 1

Citations (39:4-81)	Municipality	County	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Total for Year 1
US Rt 1 and Green St	Woodbridge	Middlesex	80	1211	189	158	188	242	267	183	124	74	153	197	3066



YEAR 2 – MUNICIPAL DATA
CRASH DATA AND COST/BENEFIT
ANALYSIS
CITATION DATA AND GRAPHS
(for locations with two years of operation)



Crash Data and Cost/Benefit Analysis: Brick Township – Year 2

				Right Angle Crashes					Same Direction Crashes					
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	
Route 70 and Chambers Bridge Rd.	Brick Twp.	Ocean	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			C	2	\$89,800	0	\$0	\$89,800	4	\$179,600	5	\$224,500	(\$44,900)	
			PDO	1	\$7,400	0	\$0	\$7,400	16	\$118,400	19	\$140,600	(\$22,200)	
						Total Benefit/(Loss)		\$97,200					Total Benefit/(Loss)	(\$67,100)
Total Benefit (Loss)		\$30,100												

				Right Angle Crashes					Same Direction Crashes						
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)		
Brick Blvd. and Chambers Bridge Rd.	Brick Twp.	Ocean	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			B	1	\$79,000	0	\$0	\$79,000	0	\$0	0	\$0	\$0		
			C	2	\$89,800	0	\$0	\$89,800	2	\$89,800	2	\$89,800	\$0		
			PDO	3	\$22,200	3	\$22,200	\$0	11	\$81,400	12	\$88,800	(\$7,400)		
						Total Benefit/(Loss)		\$168,800					Total Benefit/(Loss)		(\$7,400)
Total Benefit (Loss)		\$161,400													

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
Brick Blvd. and Cedar Bridge Rd.	Brick Twp.	Ocean	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	1	\$44,900	2	\$89,800	(\$44,900)	2	\$89,800	1	\$44,900	\$44,900
			PDO	3	\$22,200	0	\$0	\$22,200	9	\$66,600	5	\$37,000	\$29,600
						Total Benefit/(Loss)		(\$22,700)		Total Benefit/(Loss)			\$74,500
Total Benefit (Loss)		\$51,800											

Crash Data and Cost/Benefit Analysis: Deptford Township – Year 2

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
Rt 41 and Deptford Center Dr.	Deptford Twp.	Gloucester	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	1	\$79,000	(\$79,000)
			C	1	\$44,900	1	\$44,900	\$0	3	\$134,700	2	\$89,800	\$44,900
			PDO	0	\$0	1	\$7,400	(\$7,400)	11	\$81,400	7	\$51,800	\$29,600
					Total Benefit/(Loss)						Total Benefit/(Loss)		(\$4,500)
Total Benefit (Loss)		(\$11,900)											

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
Almonesson and Deptford Center Dr.	Deptford Twp.	Gloucester	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	1	\$44,900	2	\$89,800	(\$44,900)
			PDO	1	\$7,400	1	\$7,400	\$0	11	\$81,400	6	\$44,400	\$37,000
					Total Benefit/(Loss)		\$0			Total Benefit/(Loss)		(\$7,900)	
Total Benefit (Loss)		(\$7,900)											

Crash Data and Cost/Benefit Analysis: Glassboro Borough – Year 2

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
Rt. 47 and William Dalton Drive	Glassboro	Gloucester	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	1	\$44,900	2	\$89,800	(\$44,900)
			PDO	0	\$0	0	\$0	\$0	3	\$22,200	3	\$22,200	\$0
						Total Benefit/(Loss)	\$0				Total Benefit/(Loss)	(\$44,900)	
Total Benefit (Loss)		(\$44,900)											

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
Greentree Rd and William Dalton Dr	Glassboro	Gloucester	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	1	\$44,900	0	\$0	\$44,900
			PDO	1	\$7,400	0	\$0	\$7,400	3	\$22,200	0	\$0	\$22,200
					Total Benefit/(Loss)		\$7,400			Total Benefit/(Loss)		\$67,100	
Total Benefit (Loss)		\$74,500											

Crash Data and Cost/Benefit Analysis: Gloucester Township – Year 2

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
Blackwood-Clementon Rd and Cherrywood Dr	Gloucester Twp.	Camden	K	0	\$0	0	\$0	\$0	0	\$0		\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0		\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0		\$0	\$0
			C	3	\$134,700	1	\$44,900	\$89,800	15	\$673,500	2	\$89,800	\$583,700
			PDO	0	\$0	1	\$7,400	(\$7,400)	0	\$0	13	\$96,200	(\$96,200)
					Total Benefit/(Loss)			\$82,400	Total Benefit/(Loss)			\$487,500	
Total Benefit (Loss)		\$569,900											

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
Blackwood-Clementon Rd and Erial Road	Gloucester Twp.	Camden	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	2	\$89,800	0	\$0	\$89,800	7	\$314,300	0	\$0	\$314,300
			PDO	0	\$0	0	\$0	\$0	17	\$125,800	7	\$51,800	\$74,000
					Total Benefit/(Loss)		\$89,800			Total Benefit/(Loss)		\$388,300	
Total Benefit (Loss)		\$478,100											

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
Blackwood-Clementon Rd and Little Gloucester Road	Gloucester Twp.	Camden	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	1	\$79,000	0	\$0	\$79,000	0	\$0	0	\$0	\$0
			C	1	\$44,900	4	\$179,600	(\$134,700)	1	\$44,900	2	\$89,800	(\$44,900)
			PDO	4	\$29,600	0	\$0	\$29,600	21	\$155,400	13	\$96,200	\$59,200
				Total Benefit/(Loss)			(\$26,100)	Total Benefit/(Loss)			\$14,300		
Total Benefit (Loss)		(\$11,800)											

Crash Data and Cost/Benefit Analysis: Gloucester Township – Year 2 (Continued)

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
Blackwood-Clementon Rd and Millbridge Road	Gloucester Twp.	Camden	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	1	\$79,000	0	\$0	\$79,000
			C	0	\$0	0	\$0	\$0	3	\$134,700	0	\$0	\$134,700
			PDO	3	\$22,200	2	\$14,800	\$7,400	13	\$96,200	8	\$59,200	\$37,000
					Total Benefit/(Loss)		\$7,400			Total Benefit/(Loss)		\$250,700	
Total Benefit (Loss)		\$258,100											

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
Little Gloucester Road and Erial Road	Gloucester Twp.	Camden	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	4	\$179,600	1	\$44,900	\$134,700
			PDO	5	\$37,000	3	\$22,200	\$14,800	5	\$37,000	4	\$29,600	\$7,400
							Total Benefit/(Loss)	\$14,800				Total Benefit/(Loss)	\$142,100
Total Benefit (Loss)				\$156,900									

Crash Data and Cost/Benefit Analysis: Linden City – Year 2

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
US Rt 1 and South Park Ave	Linden	Union	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	3	\$237,000	1	\$79,000	\$158,000
			C	1	\$44,900	1	\$44,900	\$0	9	\$404,100	14	\$628,600	(\$224,500)
			PDO	2	\$14,800	2	\$14,800	\$0	31	\$229,400	24	\$177,600	\$51,800
					Total Benefit/(Loss)			\$0				Total Benefit/(Loss)	(\$14,700)
Total Benefit (Loss)	(\$14,700)												

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
US Rt 1 and South Stiles Ave	Linden	Union	K	0	\$0	0	\$0	\$0	0	\$0		\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0		\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	1	\$79,000	(\$79,000)
			C	2	\$89,800	0	\$0	\$89,800	6	\$269,400	22	\$987,800	(\$718,400)
			PDO	1	\$7,400	0	\$0	\$7,400	67	\$495,800	32	\$236,800	\$259,000
					Total Benefit/(Loss)			\$97,200				Total Benefit/(Loss)	(\$538,400)
Total Benefit (Loss)		(\$441,200)											

				Right Angle Crashes					Same Direction Crashes						
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)		
NJ Rt 27 and North Stiles Ave	Linden	Union	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			C	0	\$0	0	\$0	\$0	3	\$134,700	6	\$269,400	(\$134,700)		
			PDO	0	\$0	0	\$0	\$0	13	\$96,200	4	\$29,600	\$66,600		
						Total Benefit/(Loss)		\$0					Total Benefit/(Loss)		(\$68,100)
Total Benefit (Loss)		(\$68,100)													

Crash Data and Cost/Benefit Analysis: Linden City – Year 2 (Continued)

				Right Angle Crashes					Same Direction Crashes					
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	
US Rt 1 and Pleasant Ave	Linden	Union	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0	
			B	0	\$0	0	\$0	\$0	2	\$158,000	2	\$158,000	\$0	
			C	2	\$89,800	0	\$0	\$89,800	6	\$269,400	3	\$134,700	\$134,700	
			PDO	2	\$14,800	0	\$0	\$14,800	16	\$118,400	8	\$59,200	\$59,200	
						Total Benefit/(Loss)		\$104,600				Total Benefit/(Loss)		\$193,900
Total Benefit (Loss)		\$298,500												

Crash Data and Cost/Benefit Analysis: New Brunswick City – Year 2

				Right Angle Crashes					Same Direction Crashes						
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)		
Easton Avenue and Park Boulevard	New Brunswick	Middlesex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			B	1	\$79,000	0	\$0	\$79,000	0	\$0	0	\$0	\$0		
			C	1	\$44,900	0	\$0	\$44,900	0	\$0	0	\$0	\$0		
			PDO	1	\$7,400	1	\$7,400	\$0	1	\$7,400	12	\$88,800	(\$81,400)		
						Total Benefit/(Loss)		\$123,900					Total Benefit/(Loss)		(\$81,400)
Total Benefit (Loss)		\$42,500													

				Right Angle Crashes					Same Direction Crashes							
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)			
Easton Ave and Albany St	New Brunswick	Middlesex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0			
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0			
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0			
			C	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0			
			PDO	3	\$22,200	0	\$0	\$22,200	8	\$59,200	5	\$37,000	\$22,200			
						Total Benefit/(Loss)		\$22,200					Total Benefit/(Loss)		\$22,200	
Total Benefit (Loss)		\$44,400														

Crash Data and Cost/Benefit Analysis: Newark City – Year 2

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
Broad Street and Murray Street	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	1	\$44,900	1	\$44,900	\$0
			PDO	0	\$0	0	\$0	\$0	0	\$0	3	\$22,200	(\$22,200)
					Total Benefit/(Loss)		\$0			Total Benefit/(Loss)		(\$22,200)	
Total Benefit (Loss)		(\$22,200)											

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
McCarter Hwy and Edison Pl	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	2	\$89,800	0	\$0	\$89,800
			PDO	0	\$0	0	\$0	\$0	1	\$7,400	0	\$0	\$7,400
						Total Benefit/(Loss)			\$0	Total Benefit/(Loss)			\$97,200
Total Benefit (Loss)		\$97,200											

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
McCarter Highway and Lafayette St	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	0	\$0	1	\$44,900	(\$44,900)
			PDO	2	\$14,800	0	\$0	\$14,800	4	\$29,600	2	\$14,800	\$14,800
					Total Benefit/(Loss)		\$14,800			Total Benefit/(Loss)		(\$30,100)	
Total Benefit (Loss)		(\$15,300)											

Crash Data and Cost/Benefit Analysis: Newark City – Year 2 (Continued)

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
McCarter Highway. & Market St.	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	1	\$79,000	1	\$79,000	\$0	0	\$0	0	\$0	\$0
			C	3	\$134,700	0	\$0	\$134,700	3	\$134,700	1	\$44,900	\$89,800
			PDO	0	\$0	1	\$7,400	(\$7,400)	8	\$59,200	4	\$29,600	\$29,600
						Total Benefit/(Loss)		\$127,300		Total Benefit/(Loss)			\$119,400
Total Benefit (Loss)		\$246,700											

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
McCarter Highway. & South St.	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	4	\$179,600	0	\$0	\$179,600	4	\$179,600	3	\$134,700	\$44,900
			PDO	0	\$0	1	\$7,400	(\$7,400)	13	\$96,200	6	\$44,400	\$51,800
						Total Benefit/(Loss)				Total Benefit/(Loss)		\$96,700	
Total Benefit (Loss)		\$268,900											

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
Mulberry St. & Market St.	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	0	\$0	2	\$89,800	(\$89,800)
			PDO	0	\$0	0	\$0	\$0	4	\$29,600	3	\$22,200	\$7,400
					Total Benefit/(Loss)			\$0				Total Benefit/(Loss)	(\$82,400)
Total Benefit (Loss)		(\$82,400)											

Crash Data and Cost/Benefit Analysis: Newark City – Year 2 (Continued)

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
Raymond Blvd and Raymond Pl West	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	1	\$79,000	0	\$0	\$79,000	0	\$0	0	\$0	\$0
			C	1	\$44,900	0	\$0	\$44,900	1	\$44,900	1	\$44,900	\$0
			PDO	0	\$0	0	\$0	\$0	3	\$22,200	2	\$14,800	\$7,400
				Total Benefit/(Loss)			\$123,900	Total Benefit/(Loss)			\$7,400		
Total Benefit (Loss)		\$131,300											

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
Raymond Blvd, Market St and Prospect St	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	1	\$44,900	2	\$89,800	(\$44,900)
			PDO	0	\$0	1	\$7,400	(\$7,400)	5	\$37,000	3	\$22,200	\$14,800
						Total Benefit/(Loss)				Total Benefit/(Loss)		(\$30,100)	
Total Benefit (Loss)		(\$37,500)											

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
Broad St. & E. / W. Kinney St.	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	2	\$89,800	0	\$0	\$89,800
			PDO	1	\$7,400	0	\$0	\$7,400	2	\$14,800	0	\$0	\$14,800
				Total Benefit/(Loss)			\$7,400	Total Benefit/(Loss)			\$104,600		
Total Benefit (Loss)		\$112,000											

Crash Data and Cost/Benefit Analysis: Stratford Borough – Year 2

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
US Rt 30 and White Horse Road	Stratford	Camden	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	2	\$89,800	0	\$0	\$89,800	3	\$134,700	2	\$89,800	\$44,900
			PDO	2	\$14,800	1	\$7,400	\$7,400	5	\$37,000	0	\$0	\$37,000
						Total Benefit/(Loss)		\$97,200		Total Benefit/(Loss)			\$81,900
Total Benefit (Loss)		\$179,100											

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
Laurel Road and Atlantic Avenue	Stratford	Camden	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	1	\$44,900	0	\$0	\$44,900	1	\$44,900	3	\$134,700	(\$89,800)
			PDO	2	\$14,800	2	\$14,800	\$0	9	\$66,600	9	\$66,600	\$0
				Total Benefit/(Loss)			\$44,900	Total Benefit/(Loss)			(\$89,800)		
Total Benefit (Loss)	(\$44,900)												

Crash Data and Cost/Benefit Analysis: Woodbridge Township – Year 2

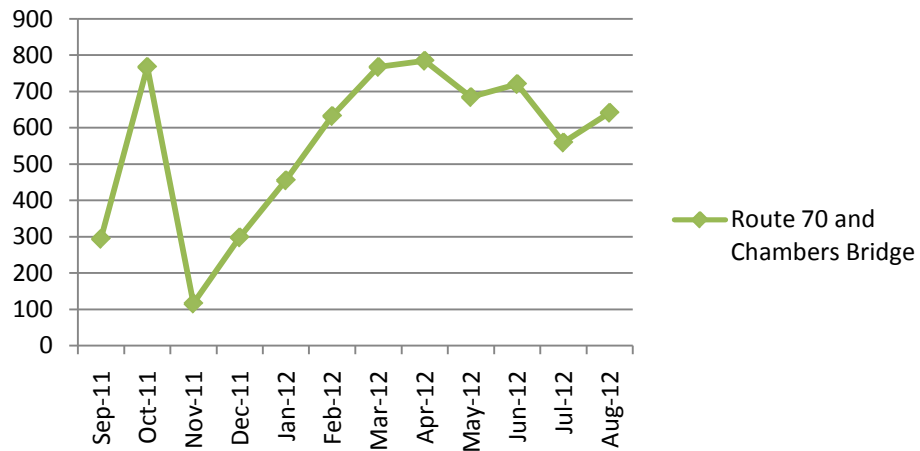
				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)	Year 1	Cost	Year 2	Cost	Difference Benefit (Loss)
US Rt 1 and Avenel St	Woodbridge	Middlesex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	4	\$179,600	0	\$0	\$179,600
			PDO	0	\$0	0	\$0	\$0	6	\$44,400	7	\$51,800	(\$7,400)
						Total Benefit/(Loss)	\$0				Total Benefit/(Loss)	\$172,200	
Total Benefit (Loss)	\$172,200												

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)	Pre-Camera	Cost	Year 1	Cost	Difference Benefit (Loss)
US Rt 1 and Smith St	Woodbridge	Middlesex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	1	\$79,000	0	\$0	\$79,000	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	0	\$0	1	\$44,900	(\$44,900)
			PDO	2	\$14,800	0	\$0	\$14,800	4	\$29,600	2	\$14,800	\$14,800
					Total Benefit/(Loss)			\$93,800				Total Benefit/(Loss)	(\$30,100)
Total Benefit (Loss)		\$63,700											

Citation Data Analysis: Brick Township – Year 2

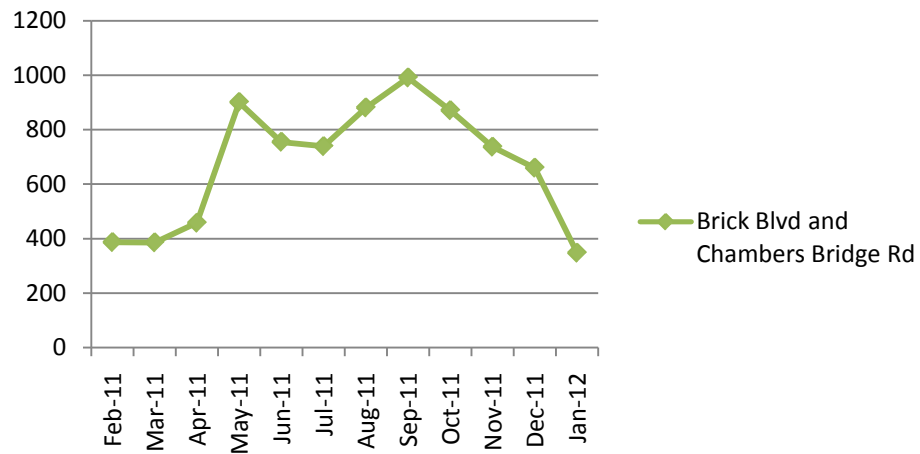
Citations (39:4-81)	Municipality	County	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Total for Year 2
Route 70 and Chambers Bridge	Brick	Ocean	294	767	116	298	455	632	767	784	684	720	559	641	6717

Route 70 and Chambers Bridge Rd



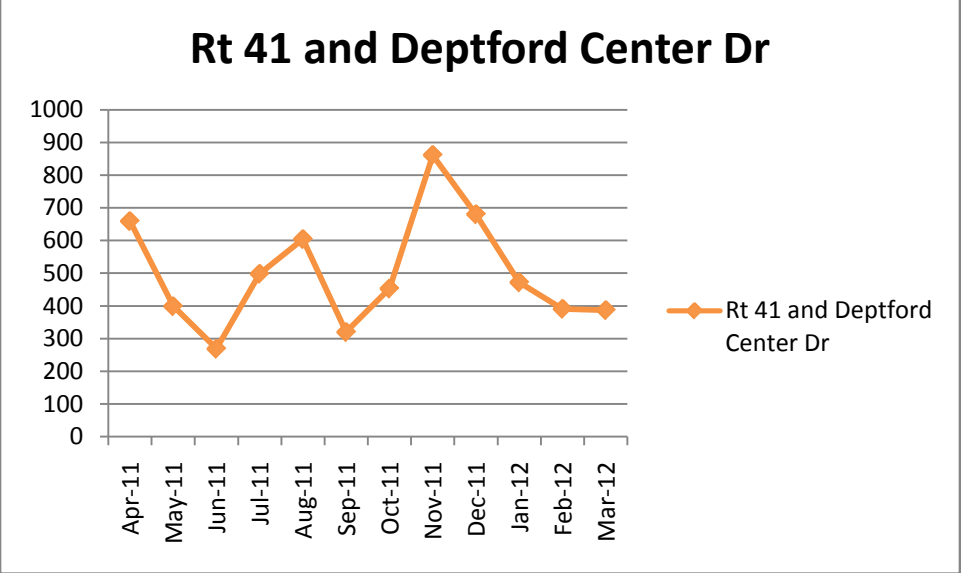
Citations (39:4-81)	Municipality	County	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Total for Year 2
Brick and Chambers Bridge	Brick	Ocean	387	386	458	901	755	739	881	991	871	737	660	348	8114

Brick Blvd and Chambers Bridge Rd



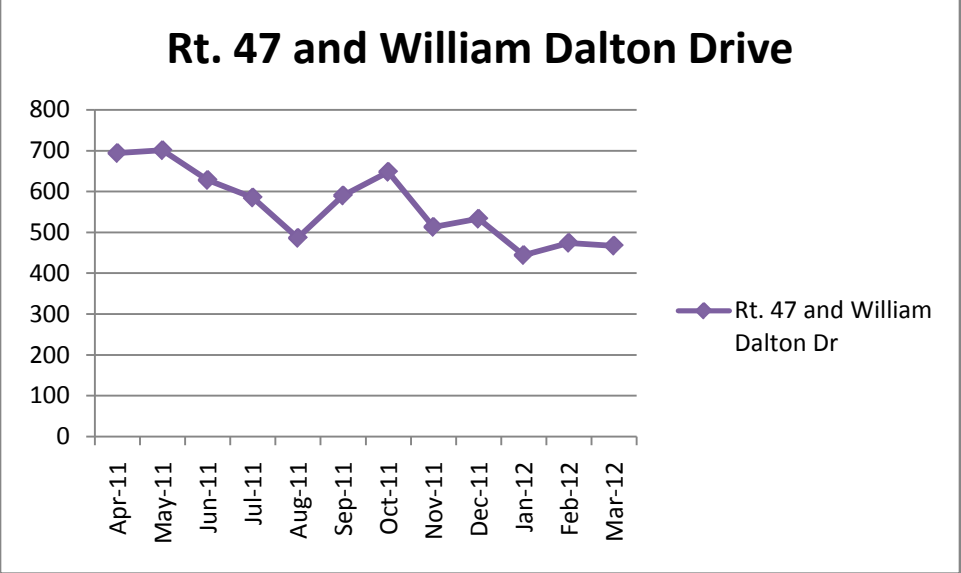
Citation Data Analysis: Deptford Township – Year 2

Citations (39:4-81)	Municipality	County	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Total for 2011
Rt. 41 and Deptford Center Dr.	Deptford	Gloucester	659	399	269	498	604	320	453	861	680	472	391	387	5993



Citation Data Analysis: Glassboro Borough – Year 2

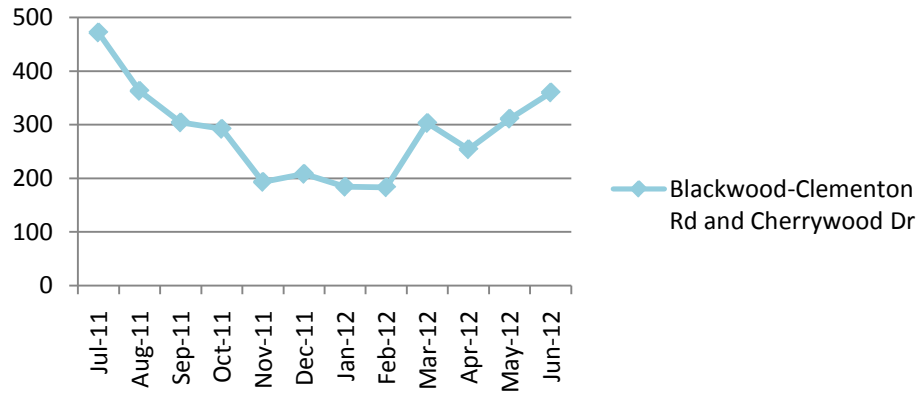
Citations (39:4-81)	Municipality	County	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Total for Year 2
Rt. 47 and William Dalton	Glassboro	Gloucester	694	701	628	585	486	590	648	513	533	444	474	467	6763



Citation Data Analysis: Gloucester Township – Year 2

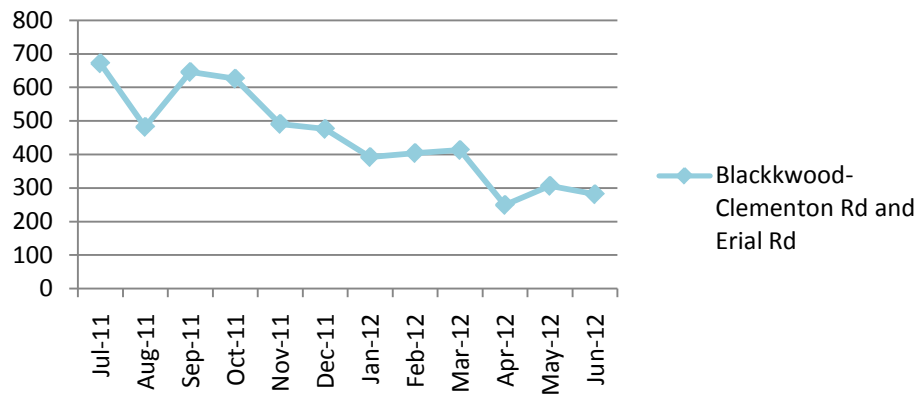
Citations (39:4-81)	Municipality	County	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total for Year 2
Blackwood-Clementon Rd and Cherrywood Dr	Gloucester	Camden	472	363	304	292	193	208	184	183	303	254	311	360	3427

Blackwood-Clementon Rd and Cherrywood Dr



Citations (39:4-81)	Municipality	County	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total for Year 2
Blackwood-Clementon Rd and Erial Road	Gloucester	Camden	672	482	646	626	491	476	392	404	413	249	306	281	5438

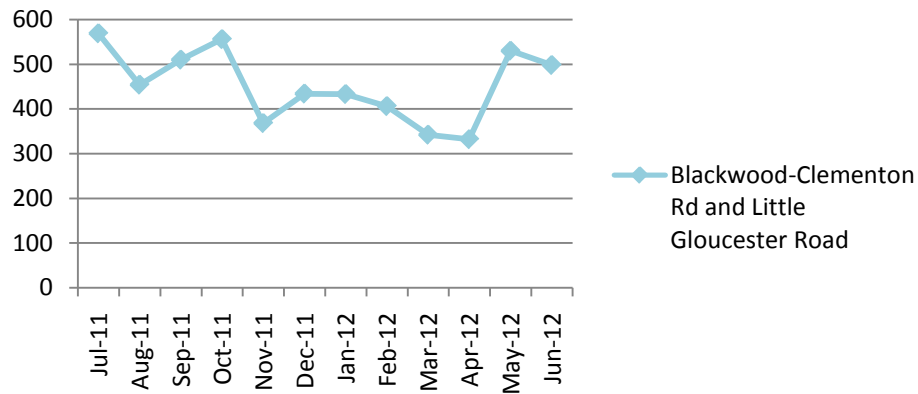
Blackwood-Clementon Rd and Erial Road



Citation Data Analysis: Gloucester Township – Year 2 (Continued)

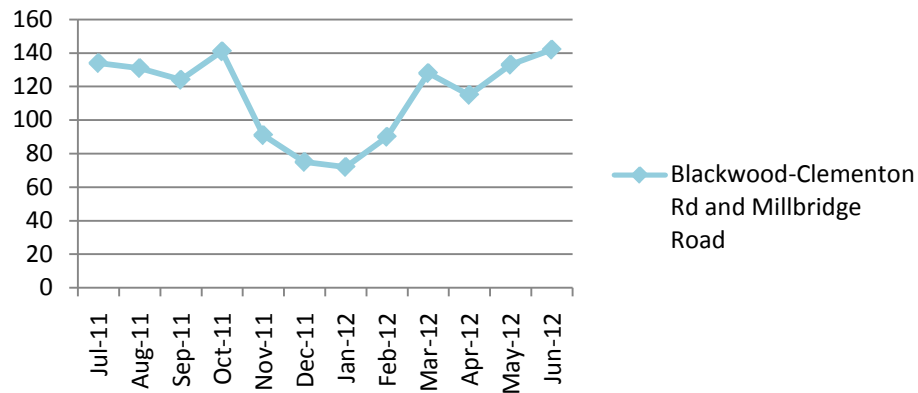
Citations (39:4-81)	Municipality	County	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total for Year 2
Blackwood-Clementon Rd and Little Gloucester Road	Gloucester	Camden	569	454	510	556	368	434	433	406	342	332	530	498	5432

Blackwood-Clementon Rd and Little Gloucester Road



Citations (39:4-81)	Municipality	County	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total for Year 2
Blackwood-Clementon Rd and Millbridge Road	Gloucester	Camden	134	131	124	141	91	75	72	90	128	115	133	142	1376

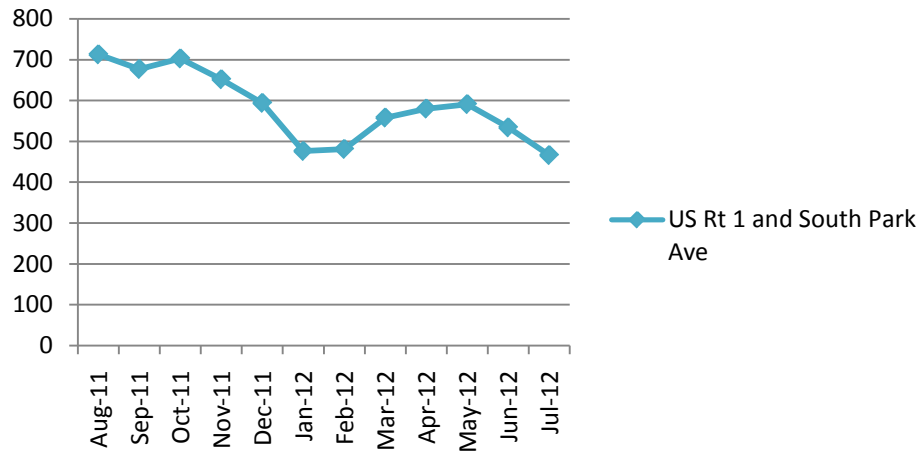
Blackwood-Clementon Rd and Millbridge Road



Citation Data Analysis: Linden City – Year 2

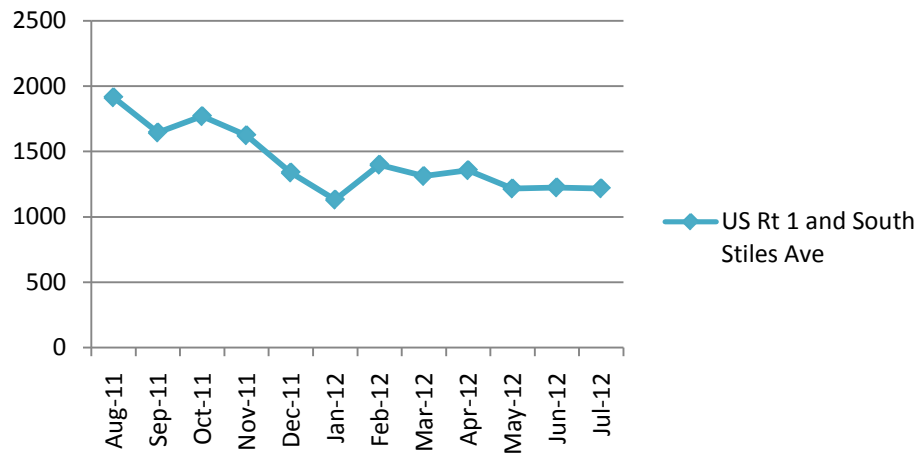
Citations (39:4-81)	Municipality	County	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Total for Year 2
US Rt 1 and South Park Ave	Linden	Union	713	677	703	652	594	476	481	558	580	591	534	466	7025

US Rt 1 and South Park Ave



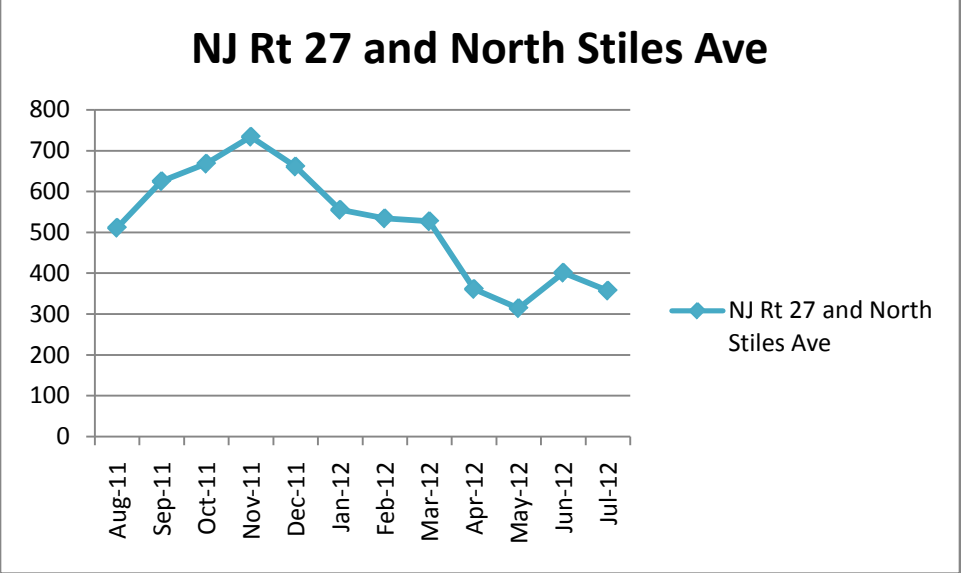
Citations (39:4-81)	Municipality	County	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Total for Year 2
US Rt 1 and South Stiles Ave	Linden	Union	1913	1644	1769	1623	1338	1131	1398	1311	1356	1216	1224	1217	17140

US Rt 1 and South Stiles Ave



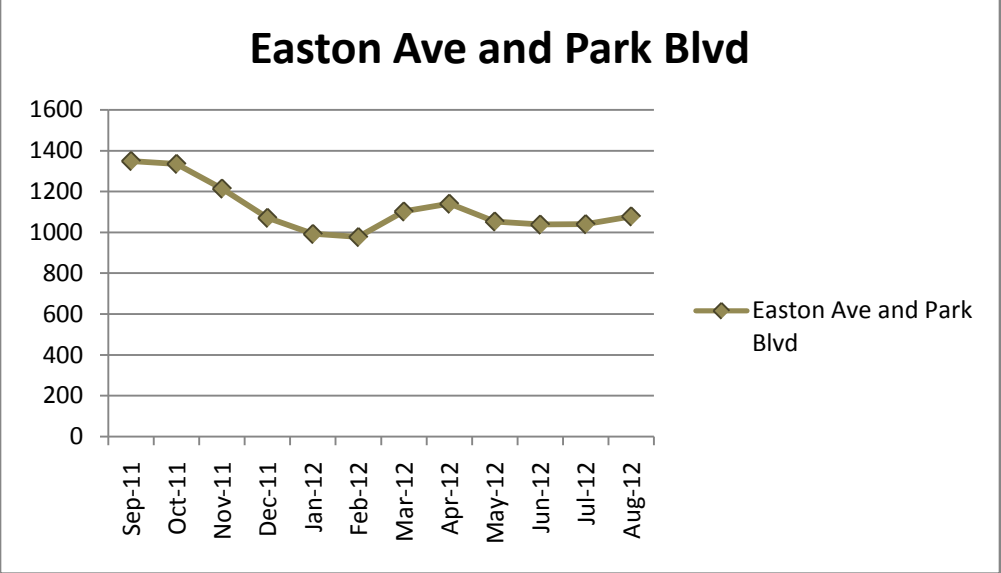
Citation Data Analysis: Linden City – Year 2 (Continued)

Citations (39:4-81)	Municipality	County	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Total for Year 2
NJ Rt 27 and North Stiles Ave	Linden	Union	511	625	668	734	661	555	534	527	361	314	401	357	6248



Citation Data Analysis: New Brunswick City – Year 2

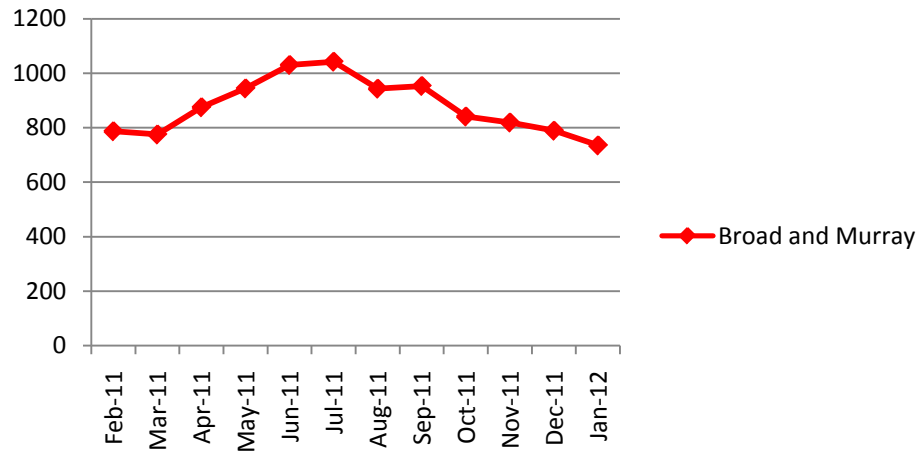
Citations (39:4-81)	Municipality	County	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Total for Year 2
Easton Ave and Park Blvd	New Brunswick City	Middlesex	1349	1335	1214	1071	992	977	1102	1140	1053	1038	1040	1078	13389



Citation Data Analysis: Newark City – Year 2

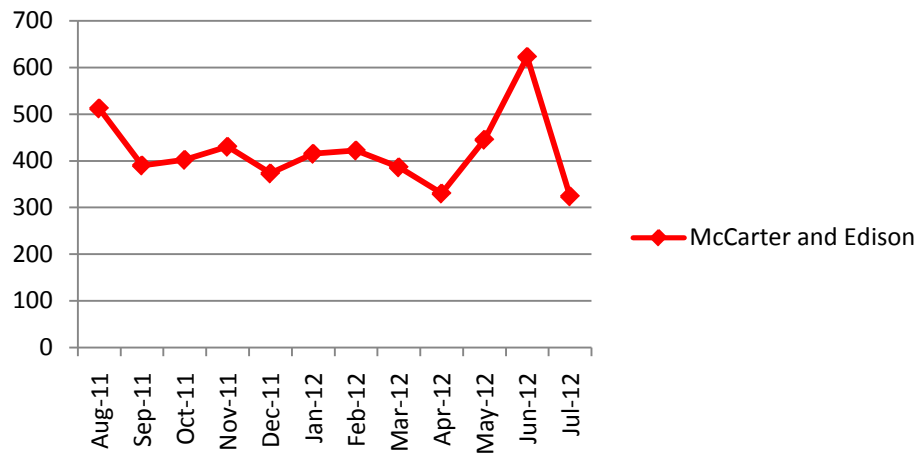
Citations (39:4-81)	Municipality	County	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Total for Year 1
Broad and Murray	Newark	Essex	787	775	875	944	1030	1042	943	953	841	819	789	735	10533

Broad St and Murray St



Citations (39:4-81)	Municipality	County	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Total for Year 1
McCarter and Edison	Newark	Essex	512	390	402	430	373	415	422	386	330	445	622	324	5051

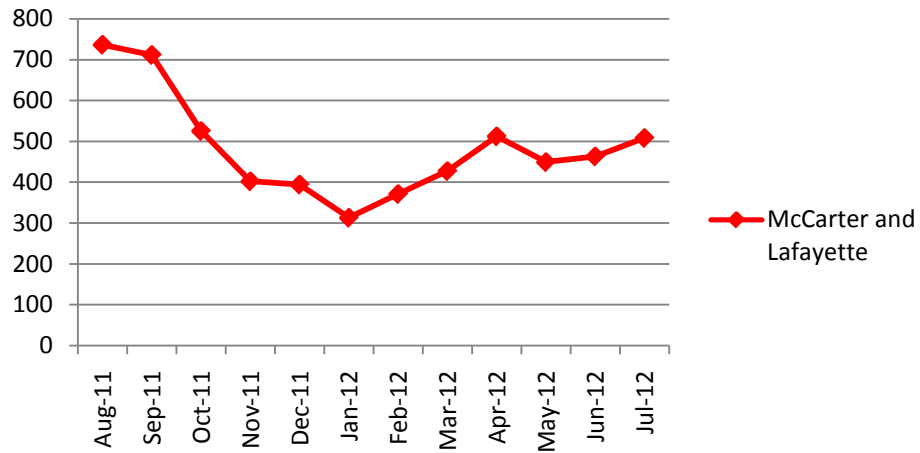
McCarter Hwy and Edison Pl



Citation Data Analysis: Newark City – Year 2 (Continued)

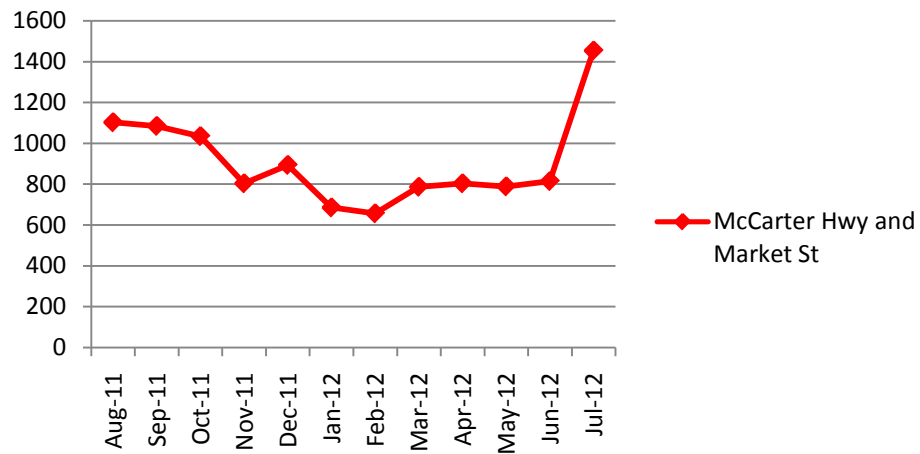
Citations (39:4-81)	Municipality	County	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Total for Year 1
McCarter and Lafayette	Newark	Essex	736	711	525	402	394	313	371	427	512	449	463	508	5811

McCarter Hwy and Lafayette St



Citations (39:4-81)	Municipality	County	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Total for Year 2
McCarter and Market	Newark	Essex	1103	1085	1035	804	894	686	657	787	804	789	815	1454	10913

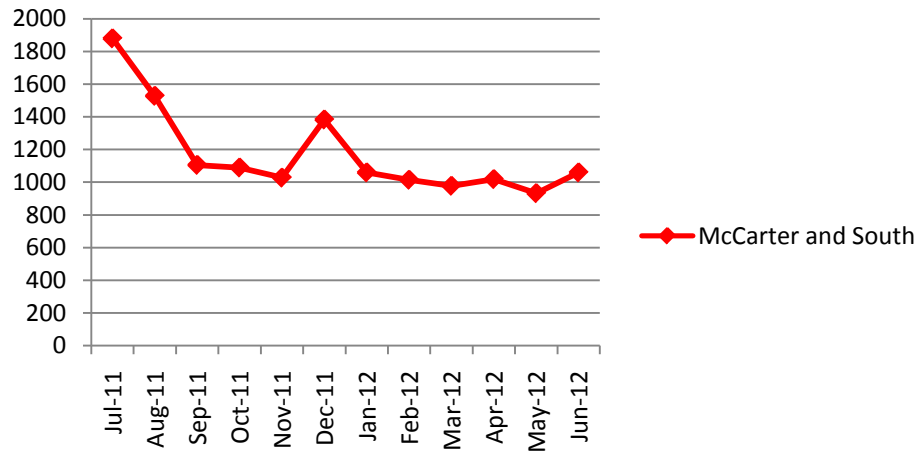
McCarter Hwy and Market St



Citation Data Analysis: Newark City – Year 2 (Continued)

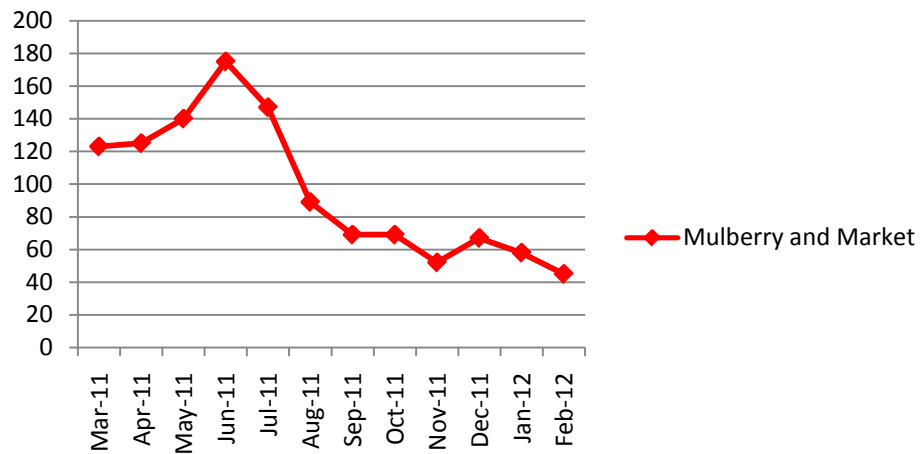
Citations (39:4-81)	Municipality	County	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total for Year 2
McCarter and South	Newark	Essex	1880	1528	1105	1089	1027	1383	1059	1014	977	1018	932	1059	14071

McCarter Hwy and South St



Citations (39:4-81)	Municipality	County	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Total for Year 2
Mulberry and Market	Newark	Essex	123	125	140	175	147	89	69	69	52	67	58	45	1159

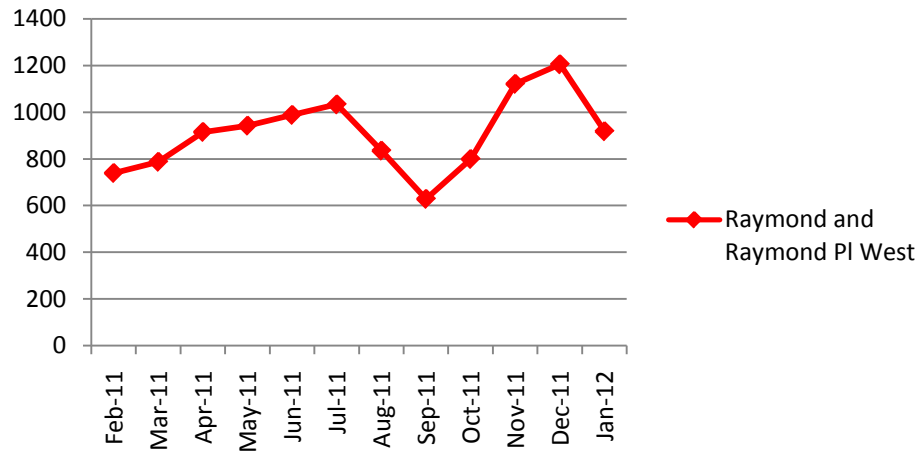
Mulberry St and Market St



Citation Data Analysis: Newark City – Year 2 (Continued)

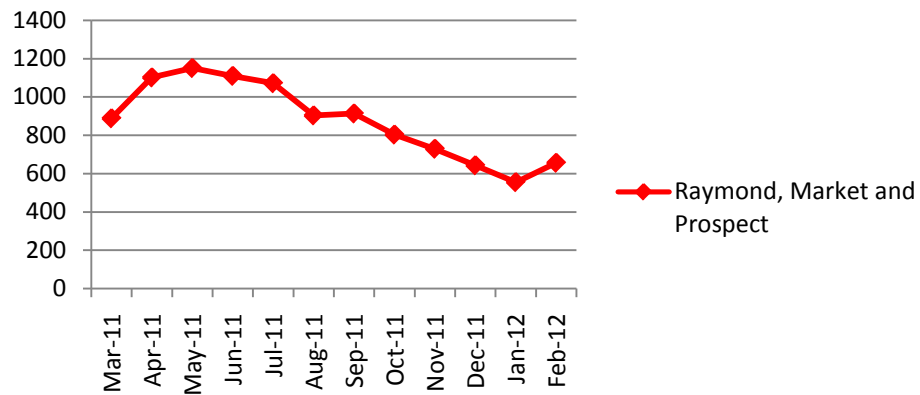
Citations (39:4-81)	Municipality	County	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Total for Year 2
Raymond and Raymond PI West	Newark	Essex	739	787	915	942	988	1033	835	628	799	1121	1205	918	10910

Raymond Blvd and Raymond PI



Citations (39:4-81)	Municipality	County	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Total for Year 2
Raymond, Market and Prospect	Newark	Essex	888	1101	1150	1109	1071	903	913	803	729	643	555	656	10521

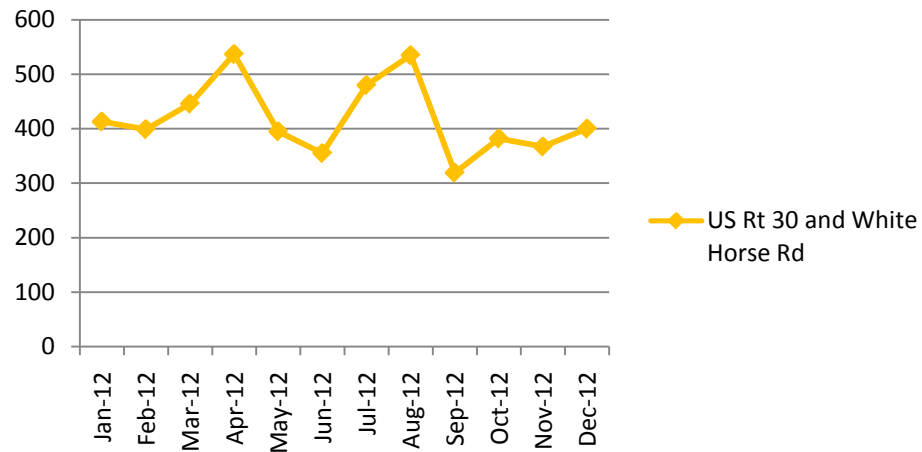
Raymond Blvd, Market St and Prospect St



Citation Data Analysis: Stratford Borough – Year 2

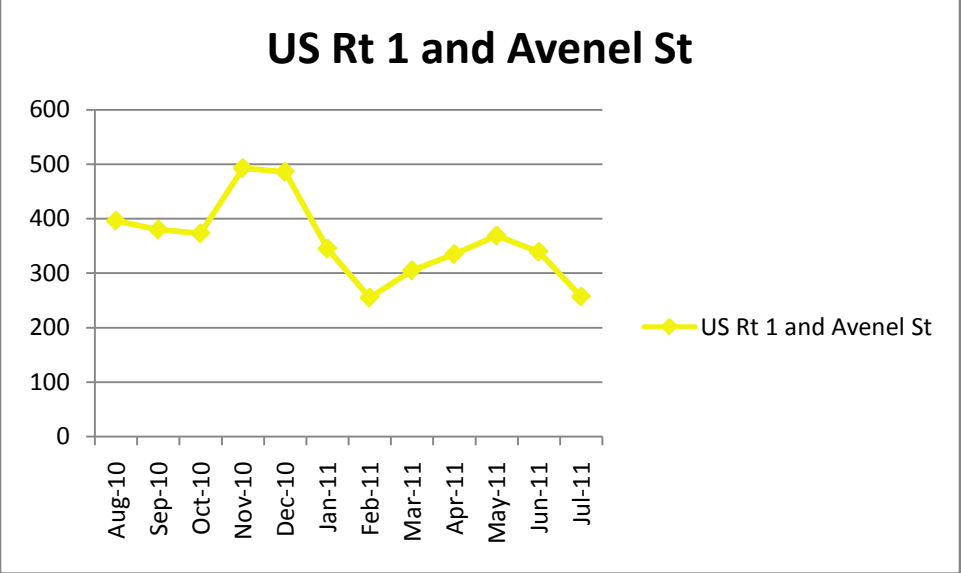
Citations (39:4-81)	Municipality	County	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Total for Year 2
US Rt 30 and White Horse Rd	Stratford	Camden	413	399	446	537	395	355	480	535	319	382	367	400	5028

US Rt 30 and White Horse Road



Citation Data Analysis: Woodbridge Township – Year 2

Citations (39:4-81)	Municipality	County	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Total for Year 2
US Rt 1 and Avenel St	Woodbridge	Middlesex	396	380	373	493	486	345	255	305	335	369	339	257	4333



YEAR 3 – MUNICIPAL DATA
CRASH DATA AND COST/BENEFIT
ANALYSIS
CITATION DATA AND GRAPHS
(for locations with three years of operation)



Crash Data and Cost/Benefit Analysis: Newark City – Year 3

				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 2	Cost	Year 3	Cost	Difference Benefit (Loss)	Year 2	Cost	Year 3	Cost	Difference Benefit (Loss)
Broad St. & Market St.	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	0	\$0	\$0	1	\$44,900	2	\$89,800	(\$44,900)
			PDO	1	\$7,400	0	\$0	\$7,400	4	\$29,600	2	\$14,800	\$14,800
									Total Benefit/(Loss)	\$7,400			
Total Benefit (Loss)		(\$22,700)											

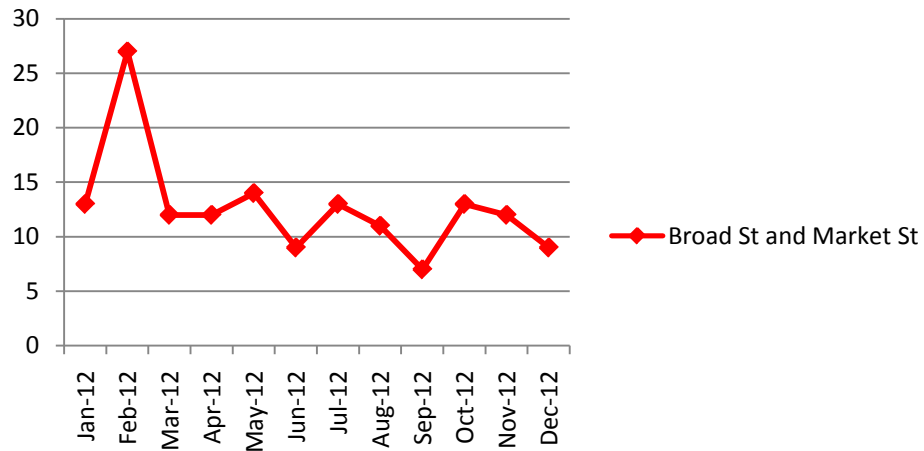
				Right Angle Crashes					Same Direction Crashes				
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 2	Cost	Year 3	Cost	Difference Benefit (Loss)	Year 2	Cost	Year 3	Cost	Difference Benefit (Loss)
Broad St and Raymond Blvd	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0
			C	0	\$0	1	\$44,900	(\$44,900)	1	\$44,900	0	\$0	\$44,900
			PDO	0	\$0	0	\$0	\$0	3	\$22,200	1	\$7,400	\$14,800
					Total Benefit/(Loss)			(\$44,900)		Total Benefit/(Loss)			\$59,700
Total Benefit (Loss)		\$14,800											

				Right Angle Crashes					Same Direction Crashes						
LOCATION	MUNICIPALITY	COUNTY	SEVERITY	Year 2	Cost	Year 3	Cost	Difference Benefit (Loss)	Year 2	Cost	Year 3	Cost	Difference Benefit (Loss)		
Broad St. & E. / W. Kinney St.	Newark City	Essex	K	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
(Reference Intersection)			A	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			B	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			C	0	\$0	0	\$0	\$0	0	\$0	0	\$0	\$0		
			PDO	0	\$0	0	\$0	\$0	0	\$0	1	\$7,400	(\$7,400)		
						Total Benefit/(Loss)		\$0					Total Benefit/(Loss)		(\$7,400)
Total Benefit (Loss)		(\$7,400)													

Citation Data Analysis: Newark City – Year 3

Citations (39:4-81)	Municipality	County	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Total for Year 3
Broad and Market	Newark	Essex	13	27	12	12	14	9	13	11	7	13	12	9	152

Broad St and Market St



Citations (39:4-81)	Municipality	County	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Total for Year 3
Broad and Raymond	Newark	Essex	363	394	782	749	725	976	1173	969	859	841	440	610	8881

Broad St and Raymond Blvd

