

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To: Scott C. Stiles
Dept.: City Manager
Subject: APPROVAL TO CONTINUE THE PHOTO ENFORCEMENT PROGRAM AT SIGNALIZED INTERSECTIONS

From: Todd D. Elgin
Dept.: Police
Date: October 27, 2015

OBJECTIVE

To provide an analysis of the Red Light Enforcement Program, as requested by the City Council at their August 25, 2015, City Council meeting and recommend to continue the Red Light Camera Program (RLCP) with RedFlex Traffic Systems, Inc.

BACKGROUND/DISCUSSION

In August of this year, members of the Police Department and Traffic Engineering conducted a presentation of the City's RLCP that included information and analysis on the camera system, traffic signal operations, accident data, and fiscal analysis. The presentation also included video examples.

At the conclusion of the presentation, the City Council heard testimony from individuals during public comment. One of the speakers, Mr. Jay Beeber, provided the members of the City Council with his written analysis of the City's RLCP. After both reports were presented, City Council directed staff to reconcile both analyses and bring the matter back to City Council.

Staff has conducted an analysis, whereby both reports were reviewed for differences in collision parameters and data selection. Additionally, the staff's analysis incorporates suggestions made by City Council, such as to include a year-by-year, and a before-after review for each participating intersection. A copy of this report, including a summary of all results is included as "Attachment No. 1 - Photo Enforcement Program Analysis". Pertinent accident data is included as Attachment No. 2, and Mr. Jay Beeber's Report is included as Attachment No. 3.

FINANCIAL IMPACT

Over the last three (3) years, the RLCP has not had a negative impact on the General Fund. After expenses, the Program has yielded residual balances annually, which are accumulated in this restricted fund for use in City traffic safety, control, and enforcement related programs.

APPROVAL TO CONTINUE THE PHOTO ENFORCEMENT PROGRAM AT SIGNALIZED INTERSECTIONS

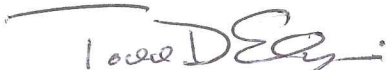
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RECOMMENDATION

It is recommended that the City Council:

- Approve to continue the Red Light Camera Program with RedFlex Traffic Systems, Inc.


TODD D. ELGIN
Chief of Police



By: Travis Whitman, Captain

Attachment No. 1: Photo Enforcement Program Analysis

Attachment No. 2: Accident Data

Attachment No. 3: Mr. Jay Beeber's Report

Recommended for Approval


Scott C. Stiles
City Manager

Photo Enforcement Program Analysis

I. INTRODUCTION

Photo enforcement cameras were installed in the City of Garden Grove to provide a more comprehensive enforcement of red-light running violations at signalized intersections where collisions were most frequent. The Program provides continuous coverage without diverting Police Officers from other duties, and it also provides a record of violations that can be reviewed in case of question. The goal of the Red Light Camera Program is to deter motorists from running red lights, which may lead to severe broadside collisions. Further, the Program is not intended to completely eliminate the number of red light running violations, as there are multiple factors outside of the system's control, such as fatigued and distracted drivers.

II. DIFFERENCES IN METHODOLOGY

During the August 25th City Council meeting, staff was directed to reconcile collision data presented by Mr. Jay Beeber (Secondary Report) and by staff. Following this comparison, city staff prepared an analysis using criteria from both reports, along with statistical evidence backed by the Federal Highway Administration's (FHWA) Safety Evaluation of Red-Light Cameras Study.

The Year-by-Year Intersection analysis from Mr. Beeber's Report presents results for red light running violations (Vehicle Code Section 21453), broadside collisions, and rear end collisions, for before-after periods for all eight intersections, excluding Brookhurst and Westminster, in which he only included the period of years after the red light camera was installed.

The Secondary Report's parameters chosen for rear end and broadside collisions and severity levels differ in the following manner:

Rear End Collisions

For rear end collisions, Mr. Beeber's study included accidents occurring 50' within the intersection, as opposed to the city's inclusion of accidents occurring 150' prior to the intersection.

The City chose this conservative parameter to avoid underreporting rear end collisions affected by red light runnings. Our approach is also consistent with the FHWA's research study, which evaluated 370 intersections in seven jurisdictions nationwide, including San Diego, San Francisco and El Cajon. This study defined rear end collisions as occurring on any approach within 150' of the intersection.

Broadside Collisions

For broadside collisions, the City selected those accidents occurring at the intersection, or at "0 feet inside the intersection" as reported in the Statewide Integrated Traffic Records System (SWITRS) database. For a consistent analysis, the City excluded broadside collisions outside of the intersection to discount drivers entering traffic from nearby driveways.

Mr. Beeber's Report included broadside collisions at the intersection; however, he may have also included broadside collisions at an undetermined distance outside of the intersection, along with other selection criteria for this collision type.

Red Light Running Violations (Vehicle Code Section 21453)

Mr. Beeber's report included analysis for red light running violations of California Vehicle Code Section (CVC) 21453. He further states that only these collisions should be analyzed.

Traffic Engineering included a column in our analysis for red light running violations; however, there are limitations with this approach. For example, if there are no witnesses for an accident, police officers will be unable to determine fault and classify the collision as a violation of CVC 21453. Also, most rear end collisions will not be classified as violations of CVC 21453 in the field, instead these are commonly classified as "unsafe speed" or "following too closely" primary collision factors. Therefore, by limiting our study to red light running violations, our analysis would not have captured all broadside and rear end collisions required by the study.

Severity Index

Mr. Beeber's Report included a severity before-after analysis based on a "1-5 index" scale for all collision severity types. For example: Property Damaged Only = 1, Complaint of Pain = 2, Injury Other Visible = 3, Severe Injury = 4, Fatal Collision = 5.

Traffic Engineering recognized the importance of including a method to measure the overall increase or decrease in crash severity; however, we utilized an index based on federal highway safety improvement guidelines. These methods are described below.

III. CITY'S METHODOLOGY

As directed by City Council, a before and after, year-by-year analysis for all eight participating intersections was conducted for this study. Three collision data sets were evaluated: (1) red light running violations (Vehicle Code Section 21453) for broadside and rear end collisions, (2) broadside collisions within the intersection, and (3) rear end collisions 150' prior to the intersection. A before-after annual accident rate was tabulated for each of these categories to compensate for different time periods during program implementation.

It is often the case that with the installation of red light cameras, there is a reduction in broadside collisions and an increase in rear end collisions, the latter relating to motorists "panic breaking". To quantify this trade off and its effect on public safety, we utilized UC

Berkeley's Transportation Injury Mapping System (TIMS) Benefit-Cost Analysis Index for each collision severity type. The TIMS index is the California transportation standard used for the Federal Highway Safety Improvement Grant Program. All local jurisdictions seeking safety improvement funding are evaluated on these criteria and scores.

Based on the TIMS annual benefit for signalized countermeasures, the designation for each injury severity is as follows:

- Fatality = 126 points
- Severe Injury = 126 points
- Injury/Other Visible = 11 points
- Injury/Complaint of Pain = 6 points
- Property Damage Only (PDO) = 1 point

Fatalities and severe injuries score higher for their substantial costs, including loss of life, medical expenses, damaged property, etc.

Traffic Engineering applied this index to the red light running violations (CVC 21453) data set and segregated all annual collisions by severity type, then quantified the annual severity rate using the TIMS index. A before-after summary for each intersection is presented in the following section.

IV. INTERSECTION ANALYSIS

Brookhurst & Westminster										
Before/After Collision Rate Analysis				CVC 21453 - RLR Collision Severity Analysis						
Year	RLR	Broadside	Rear-End	Year	Fatal	Inj. Severe	Inj. Other	Inj. Complaint	PDO	
1996	1	2	2	1996						1
1997	3	4	8	1997			2			1
1998	0	0	5	1998						
*Jan - June 1999	1	1	4	Jan - June 1999						1
July - Dec 1999	2	2	4	July - Dec 1999						2
2000	2	3	8	2000			1			1
2001	2	3	10	2001				1		1
2002	1	1	8	2002				1		
2003	1	0	3	2003			1			
2004	1	3	9	2004			1			
2005	0	2	6	2005						
2006	0	1	9	2006						
2007	1	2	4	2007						1
2008	0	1	3	2008						
2009	0	1	5	2009						
2010	0	0	6	2010						
2011	1	3	3	2011					1	
2012	1	1	2	2012					1	
2013	1	1	2	2013						1
2014	2	3	5	2014			1			1
Annual Avg. - Before	1.43	2.00	5.43	Severity Index	126	126	11	6	1	
Annual Avg. - After	0.97	1.74	5.61	Severity Avg. Before	0.00	0.00	0.57	0.00	0.86	
% Change	-32%	-13%	3%	Total "Before"	0.00	0.00	6.29	0.00	0.86	7.14
P-Value T-Test	0.529	0.927	0.645	Severity Avg. After	0.00	0.00	4.00	0.26	0.45	
				Total "After"	0.00	0.00	2.84	1.55	0.45	4.84
				Percentage Change						-32.26%
* Program Start Date: July 1999										

Before-After Rate Analysis - For Brookhurst and Westminster, there was a 32% decrease in red light running violations, 13% decrease in broadside collisions, and 3% increase in rear end collisions.

RLR Collision Severity Analysis - There was an aggregate 32% decrease in collision severity at this intersection.

Valley View and Lampson

Before/After Collision Rate Analysis

CVC 21453 - RLR Collision Severity Analysis

Year	RLR	Broadside	Rear-End	Year	Fatal	Inj. Severe	Inj. Other	Inj. Complaint	PDO	
2001	1	2	0	2001			1			
2002	0	6	6	2002						
2003	1	0	2	2003					1	
*Jan - Sept 2004	1	4	3	Jan - Sept 2004			1			
Oct - Dec 2004	0	0	0	Oct - Dec 2004						
2005	0	2	1	2005						
2006	0	2	3	2006						
2007	0	2	5	2007						
2008	1	3	1	2008			1			
2009	1	2	4	2009					1	
2010	1	3	3	2010					1	
2011	0	4	1	2011						
2012	0	1	1	2012						
2013	0	0	0	2013						
2014	1	1	1	2014			1			
Annual Avg. - Before	0.80	3.20	2.93	Severity Index	126	126	11	6	1	
Annual Avg. - After	0.39	1.95	1.95	Severity Avg. Before	0.00	0.00	0.53	0.00	0.27	
% Change	-51%	-39%	-33%	Total "Before"	0.00	0.00	5.87	0.00	0.27	6.13
P-Value T-Test	0.211	0.243	0.413	Severity Avg. After	0.00	0.00	0.20	0.00	0.20	
				Total "After"	0.00	0.00	2.15	0.00	0.20	2.34
				Percentage Change						-61.82%
*Program Start Date: October 2004										

Before - After Rate Analysis – For Valley View and Lampson there was a 51% decrease in red light running violations, 39% decrease in broadside collisions and 33% decrease in rear end collisions.

RLR Collision Severity Analysis – There was an aggregate 62% decrease in collision severity at this intersection.

Brookhurst and Trask

Before/After Collision Rate Analysis

CVC 21453 - RLR Collision Severity Analysis

Year	RLR	Broadside	Rear End	Year	Fatal	Inj. Severe	Inj. Other	Inj. Complaint	PDO	
2001	1	1	1	2001			1			
2002	4	8	3	2002			1	1	2	
*2003	1	1	3	2003					1	
2004	0	2	3	2004						
2005	2	2	6	2005			1	1		
2006	2	3	7	2006				1	1	
2007	0	2	8	2007						
2008	1	1	10	2008					1	
2009	0	0	7	2009						
2010	0	0	4	2010						
2011	2	2	2	2011			1		1	
2012	1	1	3	2012				1		
2013	0	0	2	2013						
2014	0	1	4	2014						
Annual Avg. - Before	2.00	3.33	2.33	Severity Index	126	126	11	6	1	
Annual Avg. - After	0.73	1.27	5.09	Severity Avg. Before	0.00	0.00	0.67	0.33	1.00	
% Change	-64%	-62%	118%	Total "Before"	0.00	0.00	7.33	2.00	1.00	10.33
P-Value T-Test	0.055	0.119	0.113	Severity Avg. After	0.00	0.00	0.18	0.27	0.27	
				Total "After"	0.00	0.00	2.00	1.64	0.27	3.91
				Percentage Change						-62.17%

* Program Start Date: January 2004

Before - After Rate Analysis – For Brookhurst and Trask there was a 64% decrease in red light running violations, 62% decrease in broadside collisions and 118% increase in rear end collisions.

RLR Collision Severity Analysis – There was an aggregate 62% decrease in collision severity at this intersection.

Magnolia & Trask

Before/After Collision Rate Analysis				CVC 21453 - RLR Collision Severity Analysis						
Year	RLR	Broadside	Rear-End	Year	Fatal	Inj. Severe	Inj. Other	Inj. Complaint	PDO	
2001	2	2	1	2001			1		1	
2002	3	4	3	2002				2	1	
* 2003	3	2	0	2003			1		2	
2004	3	3	9	2004			1	1	1	
2005	0	0	2	2005						
2006	1	1	1	2006				1		
2007	0	0	6	2007						
2008	2	2	3	2008					2	
2009	0	0	4	2009						
2010	0	0	6	2010						
2011	1	1	2	2011					1	
2012	1	3	0	2012				1		
2013	0	0	1	2013						
2014	0	0	2	2014						
Annual Avg. - Before	2.67	2.67	1.33	Severity Index	126	126	11	6	1	
Annual Avg. - After	0.73	0.91	3.27	Severity Avg. Before	0.00	0.00	0.67	0.67	1.33	
% Change	-73%	-66%	145%	Total "Before"	0.00	0.00	7.33	4.00	1.33	12.67
P-Value T-Test	0.008	0.045	0.267	Severity Avg. After	0.00	0.00	0.09	0.27	0.36	
				Total "After"	0.00	0.00	1.00	1.64	0.36	3.00
				Percent Change						-76.32%

*Program Start Date: January 2004

Before - After Rate Analysis – For Magnolia and Trask there was a 73% decrease in red light running violations, 66% decrease in broadside collisions and 145% increase in rear end collisions.

RLR Collision Severity Analysis – There was an overall 76% decrease in collision severity at this intersection.

Brookhurst & Chapman

Before/After Collision Rate Analysis				CVC 21453 - RLR Collision Severity Analysis						
Year	RLR	Broadside	Rear End	Year	Fatal	Inj. Severe	Inj. Other	Inj. Complaint	PDO	
2001	1	2	3	2001			1			
2002	3	3	4	2002				2	1	
*2003	2	2	4	2003				2		
2004	4	4	12	2004				1	3	
2005	0	0	10	2005						
2006	2	1	9	2006				1	1	
2007	0	0	8	2007						
2008	1	1	3	2008				1		
2009	0	1	5	2009						
2010	1	1	3	2010			1			
2011	1	2	3	2011				1		
2012	1	1	2	2012	1					
2013	1	0	1	2013					1	
2014	0	1	2	2014						
Annual Avg. - Before	2.00	2.33	3.67	Severity Index	126	126	11	6	1	
Annual Avg. - After	1.00	1.09	5.27	Severity Avg. Before	0.00	0.00	0.33	1.33	0.33	
% Change	-50%	-53%	44%	Total "Before"	0.00	0.00	3.67	8.00	0.33	12.00
P-Value T-Test	0.208	0.098	0.491	Severity Avg. After	0.09	0.00	0.09	0.36	0.45	
				Total "After"	11.45	0.00	1.00	2.18	0.45	15.09
				Percentage Change						25.76%

* Program Start Date: January 2004

Before - After Rate Analysis – For Brookhurst and Chapman there was a 50% decrease in red light running violations, 53% decrease in broadside collisions and 44% increase in rear end collisions.

RLR Collision Severity Analysis – There was an aggregate 26% increase in collision severity at Brookhurst and Chapman.

Valley View & Chapman

Before/After Collision Rate Analysis				CVC 21453 - RLR Collision Severity Analysis						
Year	RLR	Broadside	Rear-End	Year	Fatal	Inj. Severe	Inj. Other	Inj. Complaint	PDO	
2001	0	0	0	2001						
2002	0	1	2	2002						
2003	0	1	0	2003						
2004	1	0	2	2004			1			
* Jan - April 2005	0	0	2	Jan - April 2005						
May - Dec 2005	1	1	4	May - Dec 2005					1	
2006	0	1	4	2006						
2007	2	0	4	2007			1		1	
2008	1	1	0	2008				1		
2009	0	0	2	2009						
2010	0	1	1	2010						
2011	0	0	2	2011						
2012	0	0	1	2012						
2013	0	2	1	2013						
2014	0	1	3	2014						
Annual Avg. - Before	0.23	0.47	1.40	Severity Index	126	126	11	6	1	
Annual Avg. - After	0.41	0.72	2.27	Severity Avg. Before	0.00	0.00	0.23	0.00	0.00	
% Change	77%	55%	63%	Total "Before"	0.00	0.00	2.56	0.00	0.00	2.56
P-Value T-Test	0.573	0.406	0.205	Severity Avg. After	0.00	0.00	0.10	0.10	0.21	
				Total "After"	0.00	0.00	1.13	0.62	0.21	1.96
				Percentage Change						-23.43%

* Program Start Date: May 2005

Before - After Rate Analysis – For Valley View and Chapman there was a 77% increase in red light running violations, 55% increase in broadside collisions and 63% increase in rear end collisions.

RLR Collision Severity Analysis – There was an aggregate 23% decrease in collision severity at this intersection.

Brookhurst & Orangewood

Before/After Collision Rate Analysis

CVC 21453 - RLR Collision Severity Analysis

Year	RLR	Broadside	Rear End	Year	Fatal	Inj. Severe	Inj. Other	Inj. Complaint	PDO	
2001	1	0	0	2001				1		
2002	1	0	1	2002				1		
2003	1	1	4	2003				1		
2004	0	0	1	2004						
*Jan - June 2005	0	0	1	Jan - June 2005						
July - Dec 2005	0	1	1	July - Dec 2005						
2006	1	3	3	2006			1			
2007	1	1	1	2007			1			
2008	1	1	1	2008					1	
2009	1	2	2	2009				1		
2010	1	1	1	2010				1		
2011	1	2	0	2011					1	
2012	0	0	0	2012						
2013	0	0	1	2013						
2014	1	1	2	2014			1			
Annual Avg. - Before	0.67	0.22	1.56	Severity Index	126	126	11	6	1	
Annual Avg. - After	0.74	1.26	1.26	Severity Avg. Before	0.00	0.00	0.00	0.67	0.00	
% Change	11%	468%	-19%	Total "Before"	0.00	0.00	0.00	4.00	0.00	4.00
P-Value T-Test	0.722	0.04	0.753	Severity Avg. After	0.00	0.00	0.32	0.21	0.21	
				Total "After"	0.00	0.00	3.47	1.26	0.21	4.95
				Percentage Change						23.68%
*Program Start Date: July 2005										

Before - After Rate Analysis – For Brookhurst and Orangewood there was an 11% increase in red light running violations, 468% increase in broadside collisions and 19% decrease in rear end collisions.

RLR Collision Severity Analysis – There was an aggregate 24% increase in collision severity at this intersection.

Harbor & Trask

Before/After Collision Rate Analysis				CVC 21453 - RLR Collision Severity Analysis						
Year	RLR	Broadside	Rear-End	Year	Fatal	Inj. Severe	Inj. Other	Inj. Complaint	PDO	
2001	2	4	4	2001		1			1	
2002	3	4	5	2002		1			2	
2003	1	3	13	2003					1	
*Jan - Feb 2004	0	1	2	Jan - Feb 2004						
March - Dec 2004	1	1	6	March - Dec 2004				1		
2005	0	4	7	2005						
2006	0	0	5	2006						
2007	0	0	3	2007						
2008	0	1	5	2008						
2009	0	0	6	2009						
2010	0	2	4	2010						
2011	1	1	7	2011					1	
2012	0	2	3	2012						
2013	0	0	0	2013						
2014	0	3	4	2014						
Annual Avg. - Before	1.88	3.75	7.50	Severity Index	126	126	11	6	1	
Annual Avg. - After	0.19	1.30	4.63	Severity Avg. Before	0.00	0.63	0.00	0.00	1.27	
% Change	-90%	-65%	-38%	Total "Before"	0.00	80.00	0.00	0.00	1.27	81.27
P-Value T-Test	0.007	0.049	0.332	Severity Avg. After	0.00	0.00	0.00	0.09	1.00	
				Total "After"	0.00	0.00	0.00	0.56	1.00	1.56
				Percentage Change						-98.08%
*Program Start Date: March 2004										

Before - After Rate Analysis – For Harbor and Trask there was a 90% decrease in red light running violations, 65% decrease in broadside collisions and 38% decrease in rear end collisions.

RLR Collision Severity Analysis – There was an aggregate 98% decrease in collision severity at Harbor and Trask.

V. SUMMARY OF RESULTS

The following summarizes the results for all eight intersections:

Category	Before Period	After Period	Percentage Change
Overall Broadside Accidents	17.97	10.46	-42%
Overall Rear-End Accidents	26.15	29.35	12%
Red Light Runnings - Vehicle Code 21453	11.67	5.15	-56%
Red Light Runnings Collision Severity	136.10	37.64	-72%
Highest to Lowest Broadside Reduction			
Category	Before Period	After Period	Percentage Change
Magnolia & Trask	2.67	0.91	-66%
Harbor & Trask	3.75	1.30	-65%
Brookhurst & Trask	3.33	1.27	-62%
Brookhurst & Chapman	2.33	1.09	-53%
Valley View & Lampson	3.20	1.95	-39%
Brookhurst & Westminster	2.00	1.74	-13%
Valley View & Chapman	0.47	0.72	53%
Brookhurst & Orangewood	0.22	1.26	473%
Highest to Lowest Rear-End Reduction			
Category	Before Period	After Period	Percentage Change
Harbor & Trask	7.50	4.63	-38%
Valley View & Lampson	2.93	1.95	-33%
Brookhurst & Orangewood	1.56	1.26	-19%
Brookhurst & Westminster	5.45	5.61	3%
Brookhurst & Chapman	3.67	5.27	44%
Valley View & Chapman	1.40	2.27	62%
Brookhurst & Trask	2.33	5.09	118%
Magnolia & Trask	1.33	3.27	146%
Highest to Lowest Collision Severity Reduction			
Category	Before Period	After Period	Percentage Change
Harbor & Trask	81.27	1.56	-98%
Magnolia & Trask	12.67	3.00	-76%
Brookhurst & Trask	10.33	3.91	-62%
Valley View & Lampson	6.13	2.34	-62%
Brookhurst & Westminster	7.14	4.84	-32%
Valley View & Chapman	2.56	1.96	-23%
Brookhurst & Orangewood	4.00	4.95	24%
Brookhurst & Chapman	12.00	15.09	26%

VI. CONCLUSION

Statistical Significance

The analysis conducted above for all three collision categories included a statistical significance test (P-Value T-Test) as recommended by Mr. Beeber's Report. This test measures the likelihood of obtaining results due to random chance, the lower the p-value ($p \leq 0.05$), the stronger the evidence the observed event is not due to mere randomness. These tests are helpful in research studies; however, small sample sizes, such as the ones used for each individual intersection, often do not yield statistical significance; therefore large sample sets are a crucial part in obtaining statistical significance.

FHWA's Safety Evaluation of Red Light Cameras

The Federal Highway Administration conducted an empirical, before-after study published in 2005, titled "Safety Evaluation of Red Light Cameras," in which 370 intersections in seven jurisdictions nationwide, including three California cities were evaluated for the effectiveness of red light camera systems. The research analyzed the system's impact on broadside and rear end collisions and their economic effects.

The study concluded there was a statistical significant reduction in broadside collisions accompanied with an increase in rear end collisions. This conclusion is validated through the City's internal analysis where we found a 42% decrease in overall broadside collisions and a 12% increase in overall rear end collisions. This percentage reduction was consistent with most participating intersections.

Collision Severity Reduction & Economic Impact

To assess the economic impact for the reduction of broadside collisions and the increase of rear end collisions, the FHWA study monetized collisions according to their severity level, then recorded the costs for the periods before and after program implementation.

The following table summarizes the economic findings for all 370 intersection sites:

Economic Effects (2001 Dollars)			
	Broadside Collision	Rear End Collision	All Collisions
Costs Before Program	\$66,814,067	\$69,347,624	\$161,843,021
Costs After Program	\$48,319,090	\$75,222,780	\$147,470,550
Percentage Change in Collision Costs	-27.7%	+8.5%	-8.9%
Collision Cost Decrease (Per Intersection Year)			\$14,372,471 (\$38,845)

Although rear end collision costs went up, when broadside costs are included, the aggregate economic benefit per intersection site was found to be \$39,000 per year. This translates into an annual economic benefit of approximately \$52,000, when adjusting for inflation, for each intersection. Using these results, the annual economic benefit for the city could be estimated to be \$416,000 for all eight intersections.

The City's internal analysis is consistent with the findings presented by the FHWA. The overall collision severity dropped from 136.10 points to 37.64 points, a 72% reduction in severity, as shown in the Summary of Results table. We can safely conclude that an increase in rear end collisions does not negate the safety and economic benefits of a reduction in broadside collisions.

**City of Garden Grove
Traffic Engineering Department**

Traffic Collision History Report

8/17/2015
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Location: Brookhurst Street / Trask Avenue
Date Range Reported: 12/31/2000 - 12/31/2014
Total Number of Collisions: 172

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
300901080 125000390	2/2/01	21:22	50	South	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Driving Under Influence	0	0
	6/13/01	09:53	139	South	Sideswipe	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
	8/1/01		0	In Int.	Vehicle - Pedestrian	Pedestrian	Not Stated	Not Stated	Not Stated	Making Right Turn	Unknown	1	0
	8/1/01	23:59	0	In Int.	Vehicle - Pedestrian	Pedestrian	Not Stated	Not Applicable -	Not Stated	Making Right Turn	Unknown	1	0
	9/27/01	14:50	0	In Int.	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unknown	0	0
	10/2/01	23:55	50	West	Hit Object	Fixed Object	West	Proceeding Straight	West	Improper Turning	Improper Turning	2	0
	12/25/01	21:34	0	In Int.	Broadside	Other Motor Vehicle	West	Making Left Turn	South	Proceeding Straight	Auto R/W Violation	3	0
0146137	3/5/02	12:07	0	In Int.	Broadside	Other Motor Vehicle	West	Proceeding Straight	West	Making Left Turn	Wrong Side of Road	1	0
0146092	4/2/02	00:03	0	In Int.	Sideswipe	Parked Motor Vehicle	Not Stated	Backing	Not Stated	Parked	Other Improper Driving	0	0
0180552	4/10/02	07:50	51	East	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Other	0	0
0180597	4/12/02	15:23	30	West	Sideswipe	Other Motor Vehicle	East	Making Left Turn	West	Making Right Turn	Improper Turning	0	0
0266531	5/14/02	18:05	52	West	Sideswipe	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Lane Change	0	0
0266503	5/15/02	08:31	0	In Int.	Other	Bicycle	West	Other	North	Making Left Turn	Other	1	0
0266471	5/22/02	01:51	0	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	2	0
0272378	6/13/02	19:37	0	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	South	Not Stated	Traffic Signals and Signs	0	0

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0272381	6/15/02	22:06	0	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	East	Proceeding Straight	Traffic Signals and Signs	2	0
0272799	6/17/02	19:20	0	In Int.	Other	Other Motor Vehicle	North	Making Left Turn	South	Proceeding Straight	Unknown	0	0
0272790	6/24/02	19:20	0	In Int.	Other	Other Motor Vehicle	Not Stated	Making Left Turn	South	Proceeding Straight	Unknown	1	0
0422161	8/17/02	15:21	65	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Other	0	0
0484404	9/26/02	18:22	120	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Other	1	0
0482837	10/26/02	18:50	60	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
0584317	11/7/02	08:09	3	East	Broadside	Bicycle	South	Proceeding Straight	East	Proceeding Straight	Pedestrian Violation	1	0
0584349	12/5/02	08:00	0	In Int.	Broadside	Other Motor Vehicle	West	Proceeding Straight	South	Proceeding Straight	Unknown	1	0
0609358	12/27/02	00:04	0	In Int.	Sideswipe	Other Motor Vehicle	South	Making Right Turn	West	Making Left Turn	Traffic Signals and Signs	0	0
0668673	1/23/03	22:20	0	In Int.	Sideswipe	Other Motor Vehicle	North	Other Unsafe Turning	North	Proceeding Straight	Unsafe Lane Change	0	0
0705106	3/1/03	18:25	22	South	Not Stated	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Unsafe Speed	0	0
0840871	4/15/03	09:19	0	In Int.	Rear-End	Other Motor Vehicle	North	Making Left Turn	North	Making Left Turn	Unsafe Starting or Backing	0	0
0840603	4/21/03	16:23	94	East	Sideswipe	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Other Than Driver or Ped	0	0
0840573	4/21/03	17:27	0	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	South	Proceeding Straight	Auto RW Violation	0	0
0840499	5/17/03	19:15	0	In Int.	Head-On	Other Motor Vehicle	North	Making U Turn	East	Making Right Turn	Other Hazardous Movement	0	0

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0840515	5/18/03	13:07	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Slowing/Stopping	Unsafe Speed	1	0
0903832	6/25/03	21:35	60	West	Hit Object	Not Stated	West	Making Right Turn	East	Stopped in Road	Improper Turning	1	0
0903770	7/5/03	19:25	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Proceeding Straight	Unsafe Speed	4	0
0975824	8/6/03	10:45	32	North	Sideswipe	Other Motor Vehicle	North	Making Right Turn	South	Stopped in Road	Wrong Side of Road	0	0
1162578	11/26/03	19:22	27	South	Hit Object	Other Motor Vehicle	North	Proceeding Straight	South	Stopped in Road	Other Than Driver or Ped	2	0
1210494	12/1/03	08:48	0	In Int.	Hit Object	Other Object	North	Proceeding Straight	North	Proceeding Straight	Other Than Driver or Ped	0	0
1335866	3/1/04	15:37	65	West	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
1452827	5/3/04	09:18	0	In Int.	Head-On	Other Motor Vehicle	South	Proceeding Straight	North	Making Left Turn	Auto RW Violation	1	0
1527929	7/6/04	10:52	59	West	Rear-End	Other Motor Vehicle	West	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
1617432	7/13/04	20:47	0	In Int.	Broadside	Other Motor Vehicle	South	Entering Traffic	West	Proceeding Straight	Auto RW Violation	0	0
1668365	9/17/04	15:16	20	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Other	0	0
1760382	10/6/04	19:57	20	West	Sideswipe	Other Motor Vehicle	West	Making Right Turn	West	Making Left Turn	Auto RW Violation	0	0
1760351	10/10/04	02:33	35	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
1668553	10/10/04	07:51	45	East	Hit Object	Fixed Object	East	Making Right Turn	North	Stopped in Road	Improper Turning	0	0
1808674	12/18/04	14:45	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0

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1850115	12/30/04	17:45	62	South	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
1872822	1/22/05	16:25	0	In Int.	Vehicle - Pedestrian	Pedestrian	West	Making Right Turn	Not Stated	Other	Ped R/W Violation	0	0
1872835	1/27/05	05:25	6	North	Hit Object	Fixed Object	North	Proceeding Straight			Unsafe Speed	0	0
1848776	2/13/05	11:47	44	South	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
1913255	2/19/05	07:44	0	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	North	Proceeding Straight	Traffic Signals and Signs	2	0
1913303	3/5/05	13:30	28	East	Sideswipe	Other Motor Vehicle	East	Proceeding Straight	East	Making Right Turn	Traffic Signals and Signs	1	0
1952380	3/22/05	09:43	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
2046554	4/23/05	14:48	16	West	Sideswipe	Other Motor Vehicle	West	Making Left Turn	West	Making Left Turn	Other	0	0
2091461	6/6/05	15:30	0	In Int.	Sideswipe	Other Motor Vehicle	West	Making Left Turn	West	Making Left Turn	Improper Turning	0	0
2103569	6/9/05	09:11	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	0	0
2113952	7/5/05	13:21	27	West	Rear-End	Other Motor Vehicle	South	Making Right Turn	West	Proceeding Straight	Improper Turning	0	0
2149081	7/14/05	22:21	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Slowing/Stopping	Unsafe Speed	0	0
2149085	7/16/05	00:48	4	West	Sideswipe	Other Motor Vehicle	West	Making Right Turn	West	Making Left Turn	Traffic Signals and Signs	0	0
2243305	8/10/05	21:10	16	South	Sideswipe	Other Motor Vehicle	North	Changing Lanes	North	Stopped in Road	Driving Under Influence	0	0
2242898	8/30/05	10:55	28	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Following Too Closely	0	0

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2242902	8/30/05	11:03	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
2242619	9/17/05	15:30	100	East	Head-On	Other Motor Vehicle	East	Making Left Turn	West	Proceeding Straight	Auto R/W Violation	0	0
2278350	9/18/05	02:24	85	South	Hit Object	Fixed Object	South	Proceeding Straight			Other	1	0
2319490	11/14/05	09:06	73	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
2454673	12/28/05	05:55	0	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	West	Making Left Turn	Traffic Signals and Signs	2	0
2454343	1/9/06	19:46	65	East	Rear-End	Other Motor Vehicle	West	Changing Lanes	West	Proceeding Straight	Improper Turning	0	0
2484733	1/27/06	19:05	5	East	Hit Object	Fixed Object	East	Making Right Turn			Improper Turning	0	0
2538562	2/21/06	15:31	50	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
2538548	3/10/06	19:20	41	North	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
2539064	3/17/06	09:56	0	In Int.	Broadside	Other Motor Vehicle	East	Not Stated	East	Not Stated	Traffic Signals and Signs	0	0
2538586	3/21/06	05:18	0	In Int.	Broadside	Other Motor Vehicle	South	Making Left Turn	North	Proceeding Straight	Traffic Signals and Signs	1	0
2588757	4/2/06	12:57	0	In Int.	Sideswipe	Other Motor Vehicle	East	Proceeding Straight	East	Merging	Wrong Side of Road	0	0
2588683	4/4/06	10:25	10	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	1	0
2616058	4/17/06	15:30	23	East	Rear-End	Other Motor Vehicle	West	Not Stated	West	Stopped in Road	Unsafe Starting or Backing	0	0
2616069	5/7/06	20:09	35	South	Broadside	Other Motor Vehicle	North	Changing Lanes	North	Proceeding Straight	Unsafe Lane Change	0	0

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2616140	5/9/06	17:10	0	In Int.	Sideswipe	Other Motor Vehicle	South	Changing Lanes	South	Stopped in Road	Improper Turning	0	0
2636331	5/19/06	22:35	40	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
2686271	5/27/06	15:25	35	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
2735882	6/25/06	17:28	5	East	Broadside	Other Motor Vehicle	South	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	0	0
2735931	7/2/06	01:03	0	In Int.	Head-On	Other Motor Vehicle	Not Stated	Proceeding Straight	North	Stopped in Road	Other	0	0
2735861	7/11/06	16:00	0	In Int.	Rear-End	Other Motor Vehicle	Not Stated	Making Left Turn	North	Making Left Turn	Unknown	1	0
2777084	8/12/06	13:50	9	North	Rear-End	Other Motor Vehicle	South	Backing	South	Stopped in Road	Unsafe Starting or Backing	0	0
9021965	9/5/06	12:50	75	North	Rear-End	Other Motor Vehicle	Not Stated	Changing Lanes	South	Stopped in Road	Unknown	0	0
9021947	9/9/06	17:20	25	North	Sideswipe	Other Motor Vehicle	South	Changing Lanes	South	Proceeding Straight	Improper Turning	0	0
3074494	1/25/07	16:24	24	South	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
3156740	4/28/07	22:40	26	West	Sideswipe	Other Motor Vehicle	North	Changing Lanes	North	Proceeding Straight	Unsafe Lane Change	0	0
3221635	5/2/07	10:00	0	In Int.	Sideswipe	Other Motor Vehicle	North	Changing Lanes	North	Proceeding Straight	Unsafe Lane Change	0	0
3216861	6/3/07	15:05	45	West	Hit Object	Fixed Object	West	Making Left Turn	West	Improper Turning	Improper Turning	0	0
3300062	6/5/07	03:00	20	West	Hit Object	Not Stated	Not Stated	Other	Not Stated	Unsafe Speed	Unsafe Speed	0	0
3300041	6/10/07	22:40	30	South	Hit Object	Fixed Object	South	Proceeding Straight	South	Driving Under Influence	Driving Under Influence	0	0

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3303788	6/24/07	22:32	35	South	Sideswipe	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	0	0
3303831	6/25/07	09:30	0	In Int.	Broadside	Other Motor Vehicle	West	Entering Traffic	West	Proceeding Straight	Other	1	0
3303784	6/28/07	16:01	41	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
3308577	7/7/07	17:46	17	West	Rear-End	Other Motor Vehicle	Not Stated	Making Right Turn	East	Making Right Turn	Unsafe Speed	0	0
3301892	7/10/07	05:24	150	North	Sideswipe	Other Motor Vehicle	South	Proceeding Straight	South	Proceeding Straight	Other	1	0
3303654	7/11/07	17:07	30	South	Sideswipe	Other Motor Vehicle	North	Changing Lanes	North	Proceeding Straight	Unknown	0	0
3301883	7/16/07	08:20	30	East	Sideswipe	Other Motor Vehicle	West	Proceeding Straight	West	Making Left Turn	Improper Turning	0	0
3301852	7/18/07	23:07	35	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Proceeding Straight	Unsafe Speed	0	0
3301874	7/23/07	14:23	0	In Int.	Rear-End	Other Motor Vehicle	South	Changing Lanes	South	Stopped in Road	Improper Turning	0	0
3377373	9/10/07	07:30	40	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	1	0
3395115	9/12/07	13:13	12	West	Rear-End	Other Motor Vehicle	East	Making Right Turn	East	Making Right Turn	Unsafe Speed	0	0
3405973	10/2/07	15:57	65	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
3451411	10/14/07	13:33	15	South	Sideswipe	Non-Collision	North	Proceeding Straight	North	Stopped in Road	Unsafe Lane Change	0	0
3451812	11/2/07	12:27	63	North	Broadside	Other Motor Vehicle	South	Changing Lanes	South	Stopped in Road	Unsafe Speed	1	0
3461452	11/4/07	15:00	90	East	Broadside	Other Motor Vehicle	West	Making Right Turn	West	Proceeding Straight	Other	0	0

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3478464	11/21/07	22:15	0	In Int.	Sideswipe	Other Motor Vehicle	Not Stated	Proceeding Straight	East	Making Left Turn	Other	0	0
3512606	11/29/07	15:30	0	In Int.	Broadside	Other Motor Vehicle	East	Not Stated	South	Not Stated	Unknown	0	0
3517834	12/3/07	07:45	33	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	0	0
3566991	1/13/08	10:15	0	In Int.	Head-On	Motor Vehicle on Other	West	Proceeding Straight	South	Proceeding Straight	Traffic Signals and Signs	0	0
3616568	2/23/08	13:34	36	West	Rear-End	Other Motor Vehicle	East	Slowing/Stopping	East	Slowing/Stopping	Other	0	0
3632154	3/2/08	15:30	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
3651676	3/13/08	15:49	14	East	Broadside	Bicycle	North	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	0	0
3674604	3/25/08	12:41	23	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Slowing/Stopping	Unsafe Speed	0	0
3722864	5/4/08	21:32	44	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	2	0
3764594	5/27/08	12:23	39	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Unsafe Speed	0	0
3811144	6/28/08	16:43	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	2	0
3905672	7/11/08	14:09	131	East	Sideswipe	Other Motor Vehicle	West	Making Right Turn	West	Proceeding Straight	Auto R/W Violation	1	0
3905659	7/14/08	18:45	0	In Int.	Vehicle - Pedestrian	Pedestrian	North	Making Right Turn	East	Other	Ped R/W Violation	1	0
3936197	10/12/08	03:26	19	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	0	0
4076596	12/12/08	16:00	30	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	1	0

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4053908	12/22/08	19:45	125	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Proceeding Straight	Driving Under Influence	2	0
4115235	2/16/09	10:30	0	In Int.	Rear-End	Other Motor Vehicle	West	Making Right Turn	West	Stopped in Road	Unknown	0	0
4169407	3/24/09	12:06	139	East	Broadside	Other Motor Vehicle	South	Making Right Turn	West	Proceeding Straight	Auto R/W Violation	1	0
4183776	3/29/09	09:06	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Unsafe Speed	0	0
4203882	4/3/09	20:04	125	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	3	0
4390985	8/8/09	17:30	100	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unknown	0	0
4381379	8/13/09	15:33	20	West	Rear-End	Other Motor Vehicle	East	Stopped in Road	East	Proceeding Straight	Unsafe Starting or Backing	0	0
4435348	10/7/09	16:58	5	East	Rear-End	Other Motor Vehicle	South	Stopped in Road	South	Proceeding Straight	Unsafe Speed	0	0
4481727	11/13/09	13:40	95	East	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	2	0
4507612	11/28/09	18:30	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
4605734	2/21/10	07:50	11	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
4641888	3/12/10	08:44	23	West	Rear-End	Other Motor Vehicle	West	Proceeding Straight	East	Slowing/Stopping	Other	0	0
4703097	4/30/10	20:25	15	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	0	0
4786673	6/21/10	16:56	33	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	2	0
4816250	7/10/10	11:49	78	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Driving Under Influence	1	0

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4988673	11/27/10	11:58	16	West	Not Stated	Bicycle	North	Proceeding Straight	East	Making Right Turn	Wrong Side of Road	1	0
5014019	12/15/10	13:45	0	In Int.	Broadside	Bicycle	East	Making Right Turn	North	Proceeding Straight	Wrong Side of Road	1	0
5020613	12/20/10	18:00	22	South	Hlt Object	Fixed Object	South	Other Unsafe Turning			Unsafe Speed	1	0
5020637	12/22/10	00:22	0	In Int.	Head-On	Fixed Object	South	Making Left Turn			Driving Under Influence	0	0
5120646	3/5/11	02:16	0	In Int.	Sideswipe	Other Motor Vehicle	Not Stated	Making Left Turn	Not Stated	Making Left Turn	Improper Turning	0	0
5124954	3/16/11	21:47	0	In Int.	Head-On	Other Motor Vehicle	West	Proceeding Straight	East	Making Left Turn	Traffic Signals and Signs	0	0
5165644	3/28/11	19:12	0	In Int.	Hlt Object	Fixed Object	East	Making Left Turn			Improper Turning	0	0
5291927	8/6/11	10:40	70	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
5313026	9/21/11	07:20	15	South	Sideswipe	Bicycle	East	Proceeding Straight	South	Making Right Turn	Auto R/W Violation	1	0
5330981	10/14/11	23:53	0	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	West	Making Left Turn	Traffic Signals and Signs	4	0
5368734	10/26/11	19:10	43	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	Not Stated	Stopped in Road	Unsafe Speed	0	0
5496681	12/30/11	08:35	0	In Int.	Sideswipe	Other Motor Vehicle	West	Changing Lanes	West	Proceeding Straight	Improper Turning	0	0
5454509	2/5/12	21:31	129	West	Rear-End	Other Motor Vehicle	East	Slowing/Stopping	East	Stopped in Road	Unsafe Speed	2	0
5553238	3/23/12	15:56	50	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Starting or Backing	1	0
5590229	4/18/12	12:32	28	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0

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Traffic Engineering Department**

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**Location: Brookhurst Street / Trask Avenue
Date Range Reported: 12/31/2000 - 12/31/2014
Total Number of Collisions: 172**

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
5737429	7/12/12	13:35	45	North	Not Stated	Other Motor Vehicle	South	Slowing/Stopping	South	Proceeding Straight	Unsafe Speed	0	0
5755262	8/6/12	10:30	84	West	Sideswipe	Other Motor Vehicle	East	Proceeding Straight	East	Proceeding Straight	Improper Turning	0	0
5797796	8/30/12	14:40	0	In Int.	Sideswipe	Bicycle	South	Making Right Turn	South	Proceeding Straight	Improper Turning	1	0
5823245	9/13/12	17:27	20	North	Not Stated	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Unknown	0	0
5839852	10/5/12	16:35	0	In Int.	Head-On	Other Motor Vehicle	East	Making Left Turn	West	Proceeding Straight	Traffic Signals and Signs	4	0
5896924	12/5/12	16:04	135	East	Head-On	Other Motor Vehicle	East	Making Left Turn	West	Proceeding Straight	Auto RW Violation	1	0
6018019	3/22/13	18:14	13	West	Vehicle - Pedestrian	Bicycle	North	Proceeding Straight	West	Not Stated	Wrong Side of Road	1	0
6066226	4/12/13	16:31	40	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	1	0
6044202	4/28/13	13:07	101	West	Head-On	Other Motor Vehicle	West	Proceeding Straight	East	Proceeding Straight	Wrong Side of Road	1	0
6243237	9/26/13	16:00	0	In Int.	Rear-End	Other Motor Vehicle	South	Making Left Turn	South	Making Left Turn	Unsafe Speed	0	0
6333693	11/14/13	07:24	50	Not Stated	Sideswipe	Other Motor Vehicle	Not Stated	Passing Other Vehicle	East	Proceeding Straight	Other	0	0
6417090	3/12/14	07:50	0	In Int.	Broadside	Bicycle	South	Making Right Turn	West	Proceeding Straight	Auto RW Violation	1	0
6440046	3/15/14	16:12	20	North	Rear-End	Other Motor Vehicle	South	Changing Lanes	South	Stopped in Road	Improper Turning	0	0
6525759	5/28/14	22:41	10	North	Sideswipe	Other Motor Vehicle	South	Changing Lanes	South	Proceeding Straight	Other Hazardous Movement	0	0
6546571	6/15/14	11:53	90	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0

**City of Garden Grove
Traffic Engineering Department
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Location: Brookhurst Street / Trask Avenue
Date Range Reported: 12/31/2000 - 12/31/2014
Total Number of Collisions: 172

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
6596872	8/3/14	12:37	42	South	Broadside	Other Motor Vehicle	North	Proceeding Straight	West	Making Left Turn	Traffic Signals and Signs	0	0
6630741	9/9/14	08:42	130	North	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Proceeding Straight	Unsafe Speed	1	0
6708933	10/30/14	00:42	0	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	North	Proceeding Straight	Other	0	0
6722720	11/17/14	21:12	4	North	Hit Object	Fixed Object	North	Proceeding Straight			Other	0	0
6727460	11/19/14	07:40	25	East	Sideswipe	Bicycle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
6731071	11/22/14	16:04	114	East	Sideswipe	Other Motor Vehicle	West	Making Right Turn	West	Proceeding Straight	Other	0	0
6758668	12/18/14	13:05	30	West	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0

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 Traffic Engineering Department
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Location: Brookhurst Street / Trask Avenue
 Date Range Reported: 12/31/2000 - 12/31/2014
 Total Number of Collisions: 172

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
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Total Number of Collisions: 172

Settings Used For Query

<u>Parameter</u>	<u>Setting</u>
Street Name	BROOKHURST STREET
Cross Street	TRASK AVENUE
Starting Date	12/31/2000
Ending Date	12/31/2014
Intersection	Intersection Related

**City of Garden Grove
Traffic Engineering Department**

Traffic Collision History Report

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Location: Magnolia Street / Trask Avenue
Date Range Reported: 1/8/2001 - 12/31/2014
Total Number of Collisions: 108

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
300901051 320500166	4/22/01	10:30	0	In Int.	Sideswipe	Other Motor Vehicle	West	Making Right Turn	East	Stopped in Road	Unknown	0	0
	5/13/01	20:59	0	In Int.	Sideswipe	Other Motor Vehicle	South	Making Right Turn	North	Making Left Turn	Traffic Signals and Signs	0	0
	6/20/01	08:13	0	In Int.	Sideswipe	Other Motor Vehicle	North	Other Unsafe Turning	North	Backing	Improper Turning	0	0
	8/21/01	21:56	0	In Int.	Broadside	Other Motor Vehicle	West	Proceeding Straight	North	Making Left Turn	Driving Under Influence	0	0
0094294	9/16/01	16:47	0	In Int.	Broadside	Other Motor Vehicle	West	Making Left Turn	South	Proceeding Straight	Auto R/W Violation	1	0
0082914	1/10/02	12:24	62	North	Broadside	Other Motor Vehicle	North	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	0	0
0146356	2/12/02	15:11	0	In Int.	Other	Bicycle	West	Proceeding Straight	West	Making Right Turn	Auto R/W Violation	1	0
0146067	2/15/02	18:11	0	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	West	Making Left Turn	Auto R/W Violation	0	0
0269463	3/22/02	12:03	26	South	Sideswipe	Other Motor Vehicle	South	Proceeding Straight	North	Making Left Turn	Unsafe Speed	1	0
0269410	4/30/02	13:15	70	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
0269279	5/2/02	21:25	0	In Int.	Vehicle - Pedestrian	Pedestrian	East	Making Right Turn	West	Other	Auto R/W Violation	1	0
0272417	5/4/02	00:17	32	East	Not Stated	Other Motor Vehicle	West	Passing Other Vehicle	West	Stopped in Road	Improper Passing	0	0
0344814	6/2/02	12:12	0	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	South	Proceeding Straight	Traffic Signals and Signs	1	0
0344773	6/30/02	17:37	21	West	Broadside	Other Motor Vehicle	West	Making Right Turn	West	Other	Unknown	0	0
	7/23/02	09:22	75	West	Broadside	Other Motor Vehicle	North	Proceeding Straight	East	Proceeding Straight	Other	2	0

**City of Garden Grove
Traffic Engineering Department
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Location: Magnolia Street / Trask Avenue
Date Range Reported: 1/8/2001 - 12/31/2014
Total Number of Collisions: 108

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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
0344768	7/27/02	11:55	0	In Int.	Not Stated	Other Motor Vehicle	West	Proceeding Straight	West	Slowing/Stopping	Following Too Closely	1	0
0344617	8/5/02	08:31	0	In Int.	Sideswipe	Other Motor Vehicle	South	Making Left Turn	North	Making Right Turn	Other	0	0
0344624	8/6/02	19:15	100	East	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Making Right Turn	Other	2	0
0421572	8/9/02	20:30	13	West	Hit Object	Fixed Object	West	Making Left Turn			Driving Under Influence	0	0
0484390	10/5/02	23:30	0	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	West	Proceeding Straight	Other	2	0
0668687	2/1/03	15:26	90	East	Sideswipe	Other Motor Vehicle	West	Changing Lanes	West	Proceeding Straight	Unsafe Lane Change	0	0
0840586	4/5/03	12:25	0	In Int.	Broadside	Bicycle	East	Proceeding Straight	South	Proceeding Straight	Traffic Signals and Signs	1	0
0867005	5/31/03	23:16	0	In Int.	Broadside	Not Stated	South	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	0	0
0869657	6/9/03	07:11	132	West	Sideswipe	Other Motor Vehicle	West	Making Left Turn	West	Making Left Turn	Improper Turning	0	0
0903831	6/29/03	19:42	150	East	Rear-End	Motor Vehicle on Other	West	Proceeding Straight	West	Proceeding Straight	Unsafe Speed	2	0
0975875	7/29/03	18:00	50	North	Rear-End	Other Motor Vehicle	North	Backing	North	Stopped in Road	Unsafe Speed	1	0
0975814	8/3/03	20:53	0	In Int.	Sideswipe	Other Motor Vehicle	North	Making Left Turn	West	Making Left Turn	Improper Turning	0	0
0999230	8/26/03	13:14	18	East	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
1069115	9/9/03	14:52	50	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
1162546	11/19/03	12:09	0	In Int.	Broadside	Other Motor Vehicle	East	Making Left Turn	South	Making Left Turn	Traffic Signals and Signs	0	0

**City of Garden Grove
Traffic Engineering Department**

Traffic Collision History Report

Location: Magnolia Street / Trask Avenue
Date Range Reported: 1/8/2001 - 12/31/2014
Total Number of Collisions: 108

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
1210531	12/19/03	18:46	0	In Int.	Head-On	Bicycle	North	Making Right Turn	East	Traveling Wrong Way	Wrong Side of Road	1	0
1256513	1/17/04	06:50	125	South	Broadside	Other Motor Vehicle	North	Proceeding Straight	East	Making Left Turn	Traffic Signals and Signs	1	0
1365884	2/14/04	10:55	0	In Int.	Rear-End	Other Motor Vehicle	Not Stated	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
1366064	3/19/04	15:33	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Making Right Turn	Unsafe Speed	0	0
1452818	4/22/04	13:26	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	0	0
1522791	5/18/04	17:45	0	In Int.	Rear-End	Not Stated	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
1522840	6/5/04	10:44	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	2	0
1528207	6/17/04	10:41	0	In Int.	Rear-End	Other Motor Vehicle	North	Slowing/Stopping	North	Stopped in Road	Unsafe Speed	0	0
1618511	9/4/04	22:35	20	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	0	0
1668383	9/9/04	15:07	0	In Int.	Sideswipe	Pedestrian	West	Making Right Turn	South	Proceeding Straight	Auto R/W Violation	1	0
1812404	9/26/04	16:09	0	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	North	Making Left Turn	Traffic Signals and Signs	4	0
1911654	10/30/04	12:09	107	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
1758171	11/18/04	12:29	0	In Int.	Broadside	Other Motor Vehicle	South	Making Right Turn	West	Proceeding Straight	Traffic Signals and Signs	0	0
1808698	12/11/04	16:30	15	South	Rear-End	Other Motor Vehicle	Not Stated	Proceeding Straight	North	Stopped in Road	Unknown	0	0
1872843	1/14/05	15:45	105	South	Broadside	Other Motor Vehicle	East	Making Right Turn	South	Proceeding Straight	Auto R/W Violation	0	0

**City of Garden Grove
Traffic Engineering Department
Traffic Collision History Report**

Location: Magnolia Street / Trask Avenue
Date Range Reported: 1/8/2001 - 12/31/2014
Total Number of Collisions: 108

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
2091474	5/23/05	18:40	0	In Int.	Sideswipe	Other Motor Vehicle	North	Changing Lanes	North	Proceeding Straight	Unsafe Lane Change	0	0
2091460	5/30/05	12:51	0	In Int.	Broadside	Bicycle	Not Stated	Making Right Turn	West	Proceeding Straight	Improper Turning	1	0
2242921	8/26/05	13:15	0	In Int.	Hit Object	Fixed Object	West	Making Left Turn			Improper Turning	0	0
2282279	9/28/05	19:00	144	South	Head-On	Other Motor Vehicle	South	Making Right Turn	West	Making Left Turn	Unknown	0	0
2278388	9/29/05	10:24	117	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Following Too Closely	0	0
2454598	12/22/05	21:16	150	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	2	0
2686534	6/13/06	09:25	15	East	Broadside	Other Motor Vehicle	South	Making U Turn	West	Stopped in Road	Improper Turning	1	0
2735911	6/30/06	06:29	39	South	Rear-End	Other Motor Vehicle	North	Stopped in Road	North	Stopped in Road	Unknown	0	0
2971199	11/30/06	11:25	0	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	North	Proceeding Straight	Traffic Signals and Signs	1	0
3014776	12/14/06	10:48	135	West	Sideswipe	Other Motor Vehicle	East	Proceeding Straight	East	Proceeding Straight	Improper Turning	0	0
3014638	1/9/07	15:08	21	West	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Proceeding Straight	Unknown	0	0
3057596	1/24/07	09:29	110	West	Hit Object	Other Motor Vehicle	West	Proceeding Straight	West	Proceeding Straight	Wrong Side of Road	1	0
3064813	2/9/07	16:57	38	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
3308629	7/6/07	16:56	46	East	Rear-End	Other Motor Vehicle	Not Stated	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
3301884	7/8/07	14:40	8	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Unsafe Speed	2	0

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Location: Magnolia Street / Trask Avenue
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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
3303639	7/14/07	15:13	25	West	Not Stated	Other Motor Vehicle	East	Not Stated	East	Not Stated	Unsafe Speed	0	0
3301903	7/14/07	15:45	10	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
3409166	7/15/07	06:00	20	South	Hit Object	Fixed Object	Not Stated	Making Right Turn	Not Stated	Improper Turning	Improper Turning	0	0
3412582	10/1/07	10:24	27	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Other Improper Driving	0	0
3420835	10/27/07	10:21	0	In Int.	Hit Object	Fixed Object	North	Making Right Turn	North	Stopped in Road	Improper Turning	0	0
3478459	11/19/07	15:23	6	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
3566831	1/14/08	18:09	150	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Slowing/Stopping	Other	0	0
3651660	3/15/08	22:34	35	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	2	0
3711965	4/24/08	15:30	0	In Int.	Broadside	Other Motor Vehicle	South	Making Right Turn	West	Proceeding Straight	Auto RW Violation	0	0
3787936	6/14/08	21:10	105	East	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
3905721	7/13/08	10:17	31	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
4012226	11/29/08	16:09	80	East	Hit Object	Animal	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
4053854	12/28/08	08:56	0	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	East	Proceeding Straight	Other Than Driver or Ped	0	0
4131448	2/22/09	12:50	6	North	Other	Bicycle	East	Stopped in Road	South	Making Right Turn	Traffic Signals and Signs	0	0
4162633	3/16/09	09:10	50	North	Rear-End	Other Motor Vehicle	South	Changing Lanes	South	Stopped in Road	Wrong Side of Road	0	0

**City of Garden Grove
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Location: Magnolia Street / Trask Avenue
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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
4203842	4/7/09	17:32	21	East	Broadside	Other Motor Vehicle	West	Proceeding Straight	North	Stopped in Road	Auto R/W Violation	3	0
4247523	5/13/09	09:12	0	In Int.	Sideswipe	Other Motor Vehicle	South	Making Left Turn	South	Making Left Turn	Improper Turning	1	0
4264743	5/28/09	10:42	6	East	Sideswipe	Other Motor Vehicle	West	Changing Lanes	West	Proceeding Straight	Improper Turning	1	0
4330298	7/21/09	17:31	35	South	Hit Object	Fixed Object	South	Making Left Turn	West	Proceeding Straight	Improper Turning	1	0
4370240	8/21/09	12:20	138	North	Rear-End	Other Motor Vehicle	South	Stopped in Road	South	Proceeding Straight	Unsafe Speed	0	0
4482321	11/2/09	20:46	18	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	0	0
4513346	12/17/09	07:45	0	In Int.	Rear-End	Other Motor Vehicle	South	Making Left Turn	South	Making Left Turn	Improper Turning	0	0
4658077	2/27/10	13:47	8	East	Sideswipe	Other Motor Vehicle	South	Proceeding Straight	West	Proceeding Straight	Driving Under Influence	1	0
4771231	7/3/10	19:52	6	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	0	0
4816570	7/6/10	10:00	67	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	0	0
4816422	7/8/10	11:15	42	South	Rear-End	Other Motor Vehicle	North	Slowing/Stopping	North	Stopped in Road	Unsafe Speed	0	0
4884738	9/12/10	12:26	67	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
4965406	10/28/10	15:30	34	South	Rear-End	Not Stated	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	0	0
4988518	12/1/10	18:33	93	East	Rear-End	Other Motor Vehicle	West	Backing	West	Stopped in Road	Unsafe Starting or Backing	0	0
5020560	12/18/10	14:39	22	South	Not Stated	Other Motor Vehicle	Not Stated	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0

**City of Garden Grove
Traffic Engineering Department
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**Location: Magnolia Street / Trask Avenue
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Total Number of Collisions: 108**

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
5028765	12/31/10	16:50	111	South	Sideswipe	Other Motor Vehicle	North	Changing Lanes	North	Proceeding Straight	Unsafe Lane Change	0	0
5054375	1/16/11	00:09	0	In Int.	Sideswipe	Other Motor Vehicle	West	Proceeding Straight	North	Proceeding Straight	Traffic Signals and Signs	0	0
5208531	6/6/11	18:17	22	North	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Stopped in Road	Unsafe Speed	0	0
5230273	7/12/11	16:30	25	South	Broadside	Other Motor Vehicle	North	Stopped in Road	North	Slowing/Stopping	Other	0	0
5322240	9/21/11	10:30	12	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Making Right Turn	Unsafe Speed	0	0
5453231	12/16/11	22:15	0	In Int.	Broadside	Other Motor Vehicle	South	Making Left Turn	North	Proceeding Straight	Auto R/W Violation	0	0
5525379	3/7/12	17:30	40	East	Sideswipe	Other Motor Vehicle	West	Changing Lanes	West	Proceeding Straight	Unsafe Lane Change	0	0
5593732	4/10/12	19:29	0	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	1	0
5607464	5/4/12	12:46	0	In Int.	Broadside	Parked Motor Vehicle	South	Making Left Turn	South	Making Left Turn	Unsafe Speed	0	0
5642216	5/31/12	17:17	0	In Int.	Head-On	Motor Vehicle on Other	East	Making Right Turn	North	Stopped in Road	Driving Under Influence	9	0
5737086	6/24/12	22:07	6	Not Stated	Sideswipe	Other Motor Vehicle	South	Making Right Turn	South	Stopped in Road	Unsafe Lane Change	0	0
5745778	7/29/12	09:25	10	West	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Slowing/Stopping	Unsafe Speed	1	0
6190972	9/4/13	06:58	58	West	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Unsafe Lane Change	0	0
6214534	9/13/13	22:04	0	In Int.	Vehicle - Pedestrian	Pedestrian	North	Making Right Turn	North	Proceeding Straight	Ped R/W Violation	1	0
6247472	10/8/13	12:36	85	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0

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Location: Magnolia Street / Trask Avenue
Date Range Reported: 1/8/2001 - 12/31/2014
Total Number of Collisions: 108

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
6440050	3/15/14	16:46	40	Not Stated	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Making Right Turn	Unsafe Speed	0	0
6441924	3/20/14	17:02	87	East	Sideswipe	Bicycle	West	Making Right Turn	West	Proceeding Straight	Improper Turning	1	0
6638552	9/9/14	17:24	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0

Total Number of Collisions: 108

Settings Used For Query

<u>Parameter</u>	<u>Setting</u>
Street Name	MAGNOLIA STREET
Cross Street	TRASK AVENUE
Starting Date	1/8/2001
Ending Date	12/31/2014
Intersection	Intersection Related

**City of Garden Grove
Traffic Engineering Department**

Traffic Collision History Report

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Page 1

Location: Brookhurst Street / Westminster Avenue
Date Range Reported: 7/1/1996 - 12/31/2014
Total Number of Collisions: 312

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
	8/15/96	23:59	0	In Int.	Hit Object	Fixed Object	Not Stated	Other Unsafe Turning	West	Proceeding Straight	Unknown	0	0
	8/20/96	15:05	0	In Int.	Broadside	Other Motor Vehicle	West	Proceeding Straight	East	Making Left Turn	Other Hazardous Movement	1	0
	8/31/96	20:46	0	In Int.	Head-On	Other Motor Vehicle	South	Proceeding Straight	North	Making Left Turn	Unknown	0	0
	10/8/96	01:29	0	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	South	Proceeding Straight	Traffic Signals and Signs	0	0
	10/27/96	00:15	30	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	2	0
	11/1/96	19:57	120	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	1	0
	11/11/96	12:11	13	South	Other	Bicycle	South	Making Right Turn	East	Proceeding Straight	Improper Turning	1	0
	11/11/96	16:25	0	In Int.	Other	Bicycle	West	Proceeding Straight	North	Proceeding Straight	Unknown	1	0
	11/21/96	16:55	0	In Int.	Vehicle - Pedestrian	Pedestrian	East	Making Right Turn	North	Not Applicable -	Ped R/W Violation	1	0
	3/23/97	21:15	0	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	North	Making Left Turn	Traffic Signals and Signs	0	0
	4/6/97	16:00	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	North	Stopped in Road	Following Too Closely	0	0
	4/22/97	15:37	26	North	Rear-End	Other Motor Vehicle	South	Changing Lanes	South	Proceeding Straight	Unsafe Lane Change	0	0
	4/25/97	14:30	82	North	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	1	0
	5/4/97	00:38	0	In Int.	Broadside	Motor Vehicle on Other	West	Proceeding Straight	North	Proceeding Straight	Traffic Signals and Signs	1	0
	5/24/97	09:55	50	South	Rear-End	Other Motor Vehicle	South	Stopped in Road	South	Proceeding Straight	Unsafe Speed	0	0

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Traffic Engineering Department
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Location: Brookhurst Street / Westminster Avenue
Date Range Reported: 7/1/1996 - 12/31/2014
Total Number of Collisions: 312

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
	6/2/97	18:53	0	In Int.	Other	Bicycle	South	Stopped in Road	West	Proceeding Straight	Unsafe Starting or Backing	1	0
	6/2/97	21:20	0	In Int.	Sideswipe	Other Motor Vehicle	East	Making Right Turn	East	Proceeding Straight	Improper Turning	0	0
	6/26/97	18:17	27	East	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
	6/30/97	15:00	45	West	Rear-End	Other Motor Vehicle	East	Stopped in Road	East	Proceeding Straight	Unsafe Starting or Backing	0	0
	7/1/97	14:53	68	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
	7/29/97	16:35	25	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Proceeding Straight	Following Too Closely	0	0
	9/15/97	00:40	0	In Int.	Broadside	Other Motor Vehicle	South	Making Right Turn	South	Proceeding Straight	Driving Under Influence	1	0
	9/26/97	13:20	0	In Int.	Sideswipe	Other Motor Vehicle	North	Making Right Turn	East	Proceeding Straight	Improper Turning	0	0
	11/13/97	16:08	0	In Int.	Broadside	Other Motor Vehicle	West	Proceeding Straight	South	Proceeding Straight	Traffic Signals and Signs	2	0
	12/3/97	07:18	12	North	Vehicle - Pedestrian	Pedestrian	West	Not Applicable -	North	Making Right Turn	Pedestrian Violation	1	0
	12/5/97	13:08	45	East	Rear-End	Other Motor Vehicle	West	Changing Lanes	West	Stopped in Road	Unsafe Lane Change	0	0
	5/8/98	12:50	20	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
	5/17/98	12:15	75	West	Other	Bicycle	West	Merging	West	Proceeding Straight	Unknown	1	0
	7/20/98	10:03	67	East	Sideswipe	Other Motor Vehicle	East	Making Left Turn	East	Making Right Turn	Improper Turning	1	0
	7/21/98	15:16	35	North	Broadside	Other Motor Vehicle	East	Changing Lanes	West	Stopped in Road	Improper Turning	0	0

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**Location: Brookhurst Street / Westminster Avenue
Date Range Reported: 7/1/1996 - 12/31/2014
Total Number of Collisions: 312**

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
	8/12/98	11:21	0	In Int.	Hit Object	Fixed Object	South	Making Left Turn	West	Proceeding Straight	Improper Turning	0	0
	8/22/98	16:19	14	West	Hit Object	Fixed Object	South	Proceeding Straight			Driving Under Influence	0	0
	9/17/98	06:10	45	North	Rear-End	Other Motor Vehicle	South	Stopped in Road	South	Stopped in Road	Following Too Closely	0	0
	11/24/98	13:25	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Unsafe Speed	2	0
	12/17/98	13:50	90	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
	12/27/98	11:28	94	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Following Too Closely	0	0
	2/15/99	17:35	0	In Int.	Broadside	Other Motor Vehicle	East	Making Left Turn	West	Proceeding Straight	Traffic Signals and Signs	0	0
	3/12/99	16:33	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Proceeding Straight	Unknown	0	0
	4/8/99	17:30	100	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	0	0
	4/29/99	15:43	63	West	Broadside	Other Motor Vehicle	East	Entering Traffic	East	Proceeding Straight	Auto RW Violation	0	0
	5/22/99	08:42	51	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Unsafe Speed	1	0
	6/20/99	11:05	100	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Merging	Unknown	0	0
	9/6/99	11:52	44	North	Other	Other Motor Vehicle	South	Backing	North	Making Right Turn	Unsafe Starting or Backing	0	0
	9/10/99	01:45	0	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	South	Proceeding Straight	Auto RW Violation	0	0
	12/4/99	16:48	0	In Int.	Broadside	Other Motor Vehicle	West	Making Right Turn	North	Proceeding Straight	Auto RW Violation	0	0

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Traffic Engineering Department**

Traffic Collision History Report

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Location: Brookhurst Street / Westminster Avenue
Date Range Reported: 7/1/1996 - 12/31/2014
Total Number of Collisions: 312

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
	1/10/00	06:15	0	In Int.	Sideswipe	Other Motor Vehicle	North	Changing Lanes	North	Proceeding Straight	Other Improper Driving	1	0
	1/24/00	21:48	15	Not Stated	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	0	0
	1/30/00	23:02	28	South	Sideswipe	Other Motor Vehicle	North	Other Unsafe Turning	North	Stopped in Road	Improper Turning	0	0
	2/26/00	21:07	75	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	1	0
	2/27/00	14:15	0	In Int.	Rear-End	Other Motor Vehicle	West	Slowing/Stopping	West	Stopped in Road	Unsafe Speed	0	0
	3/7/00	10:53	0	In Int.	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Slowing/Stopping	Unsafe Speed	1	0
	3/25/00	00:22	0	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	West	Proceeding Straight	Auto RW Violation	1	0
	4/15/00	16:06	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	2	0
	4/20/00	06:05	0	In Int.	Other	Bicycle	East	Proceeding Straight	South	Making Right Turn	Wrong Side of Road	1	0
	5/3/00	18:18	41	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Unknown	0	0
	5/14/00	09:38	6	North	Broadside	Other Motor Vehicle	North	Making Right Turn	North	Making Left Turn	Auto RW Violation	0	0
	5/20/00	19:00	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	2	0
	6/1/00	14:21	30	East	Sideswipe	Other Motor Vehicle	East	Other Unsafe Turning	East	Proceeding Straight	Improper Turning	0	0
	6/2/00	13:30	24	East	Broadside	Other Motor Vehicle	East	Making Right Turn	East	Making U Turn	Auto RW Violation	0	0
	6/17/00	04:33	22	East	Hit Object	Fixed Object	East	Proceeding Straight	East	Proceeding Straight	Improper Turning	0	0

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Traffic Engineering Department**

Traffic Collision History Report

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**Location: Brookhurst Street / Westminster Avenue
Date Range Reported: 7/1/1996 - 12/31/2014
Total Number of Collisions: 312**

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
	6/20/00	14:35	0	In Int.	Vehicle - Pedestrian	Pedestrian	South	Making Right Turn	West	Not Applicable -	Ped R/W Violation	1	0
	7/5/00	00:50	0	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	West	Proceeding Straight	Auto R/W Violation	0	0
	7/26/00	18:00	0	In Int.	Sideswipe	Other Motor Vehicle	South	Proceeding Straight	East	Making Left Turn	Improper Turning	0	0
	8/1/00	16:20	24	East	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Stopped in Road	Unsafe Speed	1	0
	1/2/01	17:27	0	In Int.	Vehicle - Pedestrian	Pedestrian	East	Making Right Turn	North	Not Applicable -	Ped R/W Violation	1	0
	1/28/01	11:51	0	In Int.	Rear-End	Other Motor Vehicle	North	Slowing/Stopping	North	Proceeding Straight	Following Too Closely	1	0
	2/8/01	10:57	116	East	Rear-End	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Unsafe Lane Change	0	0
	4/1/01	22:11	0	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	0	0
	4/21/01	05:46	0	In Int.	Broadside	Other Motor Vehicle	West	Proceeding Straight	North	Making Left Turn	Traffic Signals and Signs	2	0
	6/1/01	18:35	0	In Int.	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Proceeding Straight	Following Too Closely	0	0
	6/24/01	13:38	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
	6/25/01	08:52	0	In Int.	Rear-End	Other Motor Vehicle	North	Slowing/Stopping	North	Slowing/Stopping	Unsafe Speed	1	0
	6/25/01	15:40	67	West	Hit Object	Fixed Object	East	Ran Off Road			Driving Under Influence	0	0
	7/7/01	07:37	28	West	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	0	0
	7/13/01	19:08	37	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Unsafe Speed	0	0

**City of Garden Grove
Traffic Engineering Department**

Traffic Collision History Report

Location: Brookhurst Street / Westminster Avenue
Date Range Reported: 7/1/1996 - 12/31/2014
Total Number of Collisions: 312

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
	7/15/01	22:52	45	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	1	0
	7/19/01	23:55	72	East	Hit Object	Fixed Object	East	Making Right Turn			Improper Turning	0	0
	7/30/01	16:19	30	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
	9/2/01	10:29	3	North	Other	Bicycle	North	Making Right Turn	West	Proceeding Straight	Improper Turning	1	0
	9/23/01	22:20	60	East	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Improper Turning	0	0
	10/20/01	01:58	0	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	West	Proceeding Straight	Auto R/W Violation	0	0
	10/25/01	06:33	114	South	Broadside	Other Motor Vehicle	East	Making Right Turn	North	Proceeding Straight	Improper Turning	0	0
	11/19/01	16:20	48	East	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Making Right Turn	Following Too Closely	0	0
	11/24/01	19:38	120	North	Broadside	Other Motor Vehicle	North	Making Left Turn	East	Making Left Turn	Improper Turning	0	0
	11/26/01	18:40	10	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Unsafe Speed	1	0
	12/1/01	09:47	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Unsafe Speed	2	0
0091680	1/14/02	03:16	114	West	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Unsafe Lane Change	0	0
0094073	1/21/02	14:24	15	West	Not Stated	Other Motor Vehicle	East	Proceeding Straight	North	Making Right Turn	Unsafe Speed	1	0
0094062	1/22/02	15:51	24	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
0094315	1/28/02	03:55	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Proceeding Straight	Unknown	2	0

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Location: Brookhurst Street / Westminster Avenue
Date Range Reported: 7/1/1996 - 12/31/2014
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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
0094057	1/29/02	20:19	25	North	Rear-End	Other Motor Vehicle	South	Not Stated	South	Not Stated	Unsafe Starting or Backing	0	0
0146135	3/15/02	21:18	0	In Int.	Head-On	Other Motor Vehicle	West	Making Left Turn	East	Proceeding Straight	Driving Under Influence	1	0
0180565	4/12/02	15:22	25	West	Broadside	Other Motor Vehicle	North	Making Left Turn	East	Proceeding Straight	Auto R/W Violation	0	0
0269436	4/19/02	07:00	0	In Int.	Broadside	Other Motor Vehicle	South	Making Left Turn	North	Proceeding Straight	Auto R/W Violation	2	0
0180553	4/27/02	12:31	133	East	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
0269283	5/6/02	19:15	84	South	Other	Other Motor Vehicle	South	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
0266490	5/13/02	06:39	4	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
0266492	5/17/02	18:34	27	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	1	0
0266459	5/21/02	18:13	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
0266465	5/22/02	11:52	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
0272437	6/2/02	10:28	22	West	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
0344793	6/25/02	09:30	36	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
0344172	7/20/02	13:23	0	In Int.	Vehicle - Pedestrian	Pedestrian	West	Making U Turn	South	Not Stated	Unknown	1	0
0482831	7/29/02	09:43	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	2	0
0344606	8/2/02	19:13	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Proceeding Straight	Following Too Closely	0	0

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Location: Brookhurst Street / Westminster Avenue
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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
0422103	8/18/02	17:17	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	1	0
0421582	8/25/02	21:51	98	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Following Too Closely	1	0
0421563	9/5/02		0	In Int.	Sideswipe	Other Motor Vehicle	South	Changing Lanes	South	Proceeding Straight	Unsafe Lane Change	0	0
0482805	9/25/02	16:51	30	West	Broadside	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Improper Turning	1	0
0269460	9/29/02	10:21	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
0482865	9/29/02	17:25	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
0539224	11/7/02	17:45	30	East	Sideswipe	Other Motor Vehicle	West	Changing Lanes	West	Proceeding Straight	Other	0	0
0539215	11/10/02	18:50	39	East	Rear-End	Other Motor Vehicle	West	Changing Lanes	West	Stopped in Road	Unsafe Lane Change	0	0
0539176	11/20/02	16:10	37	East	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Unsafe Speed	1	0
0609352	12/28/02	11:22	0	In Int.	Rear-End	Other Motor Vehicle	East	Making U Turn	East	Making U Turn	Other	0	0
0610899	1/7/03	17:44	117	East	Broadside	Other Motor Vehicle	South	Making Right Turn	West	Proceeding Straight	Auto RW Violation	1	0
0668708	1/14/03	14:48	0	In Int.	Vehicle - Pedestrian	Pedestrian	Not Stated	Making Right Turn	North	Proceeding Straight	Ped R/W Violation	1	0
0668703	1/25/03	15:26	63	East	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Other	0	0
0668962	1/25/03	15:26	67	East	Sideswipe	Other Motor Vehicle	East	Proceeding Straight	West	Stopped in Road	Improper Turning	2	0
0668700	1/26/03	07:55	0	In Int.	Rear-End	Other Motor Vehicle	North	Changing Lanes	North	Slowing/Stopping	Unsafe Speed	0	0

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Location: Brookhurst Street / Westminster Avenue
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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
0668676	1/31/03	21:53	57	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	2	0
0705104	2/19/03	20:19	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
0705008	3/14/03	07:33	45	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	Not Stated	Proceeding Straight	Unsafe Speed	0	0
0750826	3/16/03	03:44	10	South	Broadside	Other Motor Vehicle	South	Making Right Turn	West	Proceeding Straight	Auto R/W Violation	1	0
0840500	5/11/03	01:05	0	In Int.	Hit Object	Fixed Object	East	Proceeding Straight	East	Driving Under Influence	Unsafe Speed	0	0
0809029	5/11/03	14:17	0	In Int.	Broadside	Other Motor Vehicle	South	Making Left Turn	East	Proceeding Straight	Auto R/W Violation	2	0
0867038	5/24/03	18:12	130	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	1	0
0867084	6/2/03	19:00	37	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
0867108	6/3/03	20:24	130	North	Other	Bicycle	North	Proceeding Straight	South	Making Right Turn	Wrong Side of Road	1	0
0867066	6/18/03	06:30	0	In Int.	Vehicle - Pedestrian	Pedestrian	East	Making Right Turn	North	Proceeding Straight	Traffic Signals and Signs	1	0
0975794	8/1/03	12:17	6	East	Head-On	Pedestrian	South	Making Right Turn	East	Proceeding Straight	Ped R/W Violation	1	0
0975848	8/1/03	23:10	75	East	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Unsafe Lane Change	3	0
0999261	8/28/03	16:58	100	West	Broadside	Bicycle	West	Proceeding Straight	South	Entering Traffic	Auto R/W Violation	1	0
1060349	9/20/03	14:10	61	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
1060356	9/30/03	13:06	75	North	Rear-End	Other Motor Vehicle	North	Stopped in Road	North	Slowing/Stopping	Unsafe Speed	1	0

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1069058	10/14/03	15:45	150	South	Sideswipe	Other Motor Vehicle	West	Changing Lanes	North	Stopped in Road	Unsafe Lane Change	0	0
1162559	11/25/03	14:00	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Unsafe Speed	0	0
1210493	12/8/03	15:40	56	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
1334496	2/7/04	00:43	100	North	Sideswipe	Other Motor Vehicle	South	Proceeding Straight	South	Changing Lanes	Driving Under Influence	0	0
1366091	3/9/04	20:07	0	In Int.	Broadside	Bicycle	West	Proceeding Straight	South	Making Right Turn	Auto RW Violation	1	0
1366059	3/14/04	17:34	20	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Unsafe Speed	1	0
1366049	3/31/04	14:26	125	West	Sideswipe	Other Motor Vehicle	East	Making Right Turn	East	Stopped in Road	Improper Turning	0	0
1400860	4/16/04	14:14	23	West	Sideswipe	Other Motor Vehicle	West	Making Right Turn	West	Slowing/Stopping	Auto RW Violation	0	0
1522728	4/28/04	14:23	0	In Int.	Sideswipe	Other Motor Vehicle	East	Proceeding Straight	East	Making Right Turn	Unsafe Speed	0	0
1527816	6/29/04	16:27	0	In Int.	Broadside	Other Motor Vehicle	South	Making Left Turn	East	Proceeding Straight	Improper Turning	1	0
1583327	7/24/04	20:40	0	In Int.	Vehicle - Pedestrian	Pedestrian	South	Proceeding Straight	East	Not Stated	Ped R/W Violation	1	0
1583316	7/27/04	18:21	0	In Int.	Broadside	Other Motor Vehicle	North	Making Right Turn	East	Proceeding Straight	Auto RW Violation	0	0
1753439	8/8/04	18:16	36	South	Rear-End	Other Motor Vehicle	North	Slowing/Stopping	North	Stopped in Road	Following Too Closely	0	0
1618548	8/14/04	16:50	0	In Int.	Sideswipe	Other Motor Vehicle	South	Making Right Turn	South	Proceeding Straight	Improper Turning	0	0
1668378	9/5/04	23:06	27	East	Broadside	Other Motor Vehicle	South	Proceeding Straight	West	Parked	Other Improper Driving	0	0

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1668480	9/8/04	19:30	32	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Other	2	0
1668440	9/10/04	08:11	98	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Starting or Backing	0	0
1668546	9/19/04	02:33	49	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	0	0
1668489	9/22/04	10:10	50	West	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Unsafe Lane Change	0	0
1668626	9/29/04	16:50	18	East	Rear-End	Other Motor Vehicle	West	Stopped in Road	West	Proceeding Straight	Unsafe Speed	0	0
1668578	10/6/04	09:34	57	South	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Improper Turning	2	0
1757911	11/3/04	15:44	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Slowing/Stopping	Unsafe Speed	0	0
1757899	11/6/04	11:50	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
1757876	11/12/04	00:27	9	South	Hit Object	Fixed Object	South	Making Left Turn			Driving Under Influence	0	0
1781945	12/1/04	16:55	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Proceeding Straight	Unsafe Speed	1	0
1850127	12/4/04	20:55	0	In Int.	Hit Object	Fixed Object	East	Other Unsafe Turning			Driving Under Influence	0	0
1848747	1/31/05	15:48	30	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
1872873	2/7/05	13:16	0	In Int.	Head-On	Bicycle	North	Making Right Turn	West	Stopped in Road	Improper Turning	1	0
1848792	2/10/05	15:18	0	In Int.	Other	Non-Collision	North	Making Left Turn	South	Proceeding Straight	Auto RW Violation	1	0
1968364	3/12/05	22:24	0	In Int.	Head-On	Other Motor Vehicle	West	Making Right Turn	West	Making Left Turn	Other	0	0

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2088673	5/4/05	21:00	137	West	Sideswipe	Other Motor Vehicle	West	Proceeding Straight	West	Proceeding Straight	Unsafe Lane Change	0	0
2091475	5/24/05	13:27	45	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
2166769	7/24/05	16:29	27	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
2243325	8/16/05	19:37	20	North	Rear-End	Other Motor Vehicle	North	Making Right Turn	North	Making Right Turn	Unsafe Speed	1	0
2242624	9/2/05	16:45	25	North	Sideswipe	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Other	0	0
2316704	10/14/05	02:17	0	In Int.	Hit Object	Fixed Object	East	Making U Turn			Driving Under Influence	1	0
2296468	10/15/05	02:43	15	South	Rear-End	Other Motor Vehicle	North	Stopped in Road	North	Stopped in Road	Following Too Closely	0	0
2316781	10/31/05	18:46	35	West	Sideswipe	Other Motor Vehicle	West	Making Left Turn	West	Making Left Turn	Improper Turning	0	0
2337792	11/17/05	20:50	15	West	Other	Other Motor Vehicle	East	Backing	East	Stopped in Road	Unknown	1	0
2337779	11/21/05	10:12	0	In Int.	Sideswipe	Other Motor Vehicle	South	Making Left Turn	West	Stopped in Road	Other	0	0
2374073	11/23/05	19:09	18	East	Hit Object	Fixed Object	East	Proceeding Straight			Improper Turning	0	0
2454583	12/12/05	21:40	36	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Other	0	0
2421071	1/6/06	08:48	10	South	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Stopped in Road	Unsafe Speed	0	0
2421059	1/6/06	16:21	5	East	Broadside	Other Motor Vehicle	East	Traveling Wrong Way	South	Proceeding Straight	Wrong Side of Road	1	0
2454324	1/12/06	09:54	9	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Slowing/Stopping	Unsafe Speed	0	0

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2484706	1/27/06	00:23	20	East	Hit Object	Fixed Object	East	Making Left Turn			Driving Under Influence	0	0
2535964	3/10/06	18:18	93	North	Rear-End	Not Stated	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
2588736	3/29/06	14:02	134	South	Sideswipe	Other Motor Vehicle	West	Making Right Turn	North	Proceeding Straight	Improper Turning	0	0
2588786	4/2/06	00:42	0	In Int.	Sideswipe	Other Motor Vehicle	West	Proceeding Straight	West	Proceeding Straight	Driving Under Influence	0	0
2636366	5/12/06	14:54	0	In Int.	Rear-End	Not Stated	East	Proceeding Straight	East	Stopped in Road	Following Too Closely	0	0
2636398	5/13/06	20:40	0	In Int.	Head-On	Other Motor Vehicle	South	Making Left Turn	East	Proceeding Straight	Driving Under Influence	2	0
2686263	5/26/06	17:49	115	West	Rear-End	Other Motor Vehicle	Not Stated	Proceeding Straight	East	Stopped in Road	Unsafe Speed	1	0
2686298	5/28/06	17:49	45	South	Not Stated	Not Stated	North	Proceeding Straight	East		Unsafe Lane Change	1	0
2735903	6/29/06	13:54	85	East	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Improper Turning	0	0
2735853	7/7/06	23:35	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Proceeding Straight	Driving Under Influence	0	0
2735937	7/10/06	16:15	0	In Int.	Sideswipe	Other Motor Vehicle	West	Making Left Turn	West	Making Left Turn	Unknown	0	0
2777058	8/19/06	12:40	0	In Int.	Sideswipe	Other Motor Vehicle	East	Making Left Turn	East	Making Left Turn	Improper Turning	0	0
2777062	8/19/06	16:40	72	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
2815905	9/14/06	15:49	0	In Int.	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Slowing/Stopping	Unsafe Speed	2	0
2885800	10/29/06	03:05	75	South	Hit Object	Fixed Object	South	Proceeding Straight			Driving Under Influence	0	0

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2914493	11/20/06	17:27	30	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	0	0
2964659	12/8/06	19:25	58	North	Rear-End	Other Motor Vehicle	Not Stated	Proceeding Straight	South	Stopped in Road	Other	0	0
2965211	12/18/06	16:53	86	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Proceeding Straight	Unsafe Speed	0	0
3089731	1/27/07	17:55	0	In Int.	Broadside	Other Motor Vehicle	North	Making Right Turn	East	Proceeding Straight	Driving Under Influence	0	0
3064851	2/11/07	11:27	100	East	Hit Object	Pedestrian	West	Making Left Turn	Not Stated	Other	Traffic Signals and Signs	1	0
3074638	2/26/07	09:28	70	South	Hit Object	Fixed Object	East	Making Right Turn	East	Proceeding Straight	Improper Turning	0	0
3120384	3/20/07	21:45	0	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	East	Proceeding Straight	Traffic Signals and Signs	0	0
3120335	3/26/07	15:50	0	In Int.	Vehicle - Pedestrian	Pedestrian	West	Making Right Turn	South	Entering Traffic	Ped R/W Violation	1	0
3221540	4/14/07	01:51	74	South	Head-On	Fixed Object	South	Making Left Turn	South	Entering Traffic	Unsafe Speed	0	0
3218118	4/17/07	12:42	12	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
3221659	5/3/07	13:55	14	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	Not Stated	Stopped in Road	Other	0	0
3216823	5/28/07	13:07	127	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
3300069	6/15/07	17:28	103	North	Sideswipe	Other Motor Vehicle	Not Stated	Changing Lanes	South	Proceeding Straight	Improper Turning	1	0
3329168	8/5/07	22:33	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	South	Proceeding Straight	Unsafe Lane Change	0	0
3329140	8/6/07	17:43	55	West	Rear-End	Other Motor Vehicle	West	Making Right Turn	West	Proceeding Straight	Auto R/W Violation	1	0

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3333049	8/23/07	12:44	0	In Int.	Not Stated	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
3412621	10/11/07	17:25	20	South	Sideswipe	Other Motor Vehicle	South	Making Left Turn	South	Proceeding Straight	Unsafe Lane Change	0	0
3465935	10/20/07	01:50	11	North	Broadside	Other Motor Vehicle	North	Proceeding Straight	North	Making U Turn	Traffic Signals and Signs	2	0
3469843	10/30/07	19:55	18	East	Hit Object	Fixed Object	East	Proceeding Straight			Driving Under Influence	0	0
3461376	11/9/07	11:50	12	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
3461317	11/14/07	22:31	61	South	Head-On	Fixed Object	North	Proceeding Straight			Unsafe Speed	0	0
3616705	2/13/08	09:10	37	North	Sideswipe	Other Motor Vehicle	North	Making Right Turn	North	Proceeding Straight	Improper Turning	0	0
3718597	4/22/08	22:06	30	West	Hit Object	Fixed Object	South	Other Unsafe Turning			Driving Under Influence	0	0
3735409	5/17/08	15:36	5	North	Vehicle - Pedestrian	Bicycle	East	Passing Other Vehicle	East	Merging	Improper Passing	1	0
3895212	8/7/08	18:50	0	In Int.	Head-On	Other Motor Vehicle	North	Making U Turn	South	Proceeding Straight	Other Improper Driving	1	0
3858237	9/4/08	13:50	40	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
3960843	9/20/08	11:13	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Proceeding Straight	Unsafe Speed	0	0
3942300	10/10/08	21:21	0	In Int.	Vehicle - Pedestrian	Bicycle	West	Proceeding Straight	North	Making Right Turn	Wrong Side of Road	1	0
3966497	10/20/08	17:45	6	West	Vehicle - Pedestrian	Pedestrian	East	Making Right Turn	North	Proceeding Straight	Traffic Signals and Signs	1	0
3996044	11/13/08	22:29	30	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Other	1	0

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3972821	11/25/08	12:35	75	South	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Proceeding Straight	Unknown	2	0
4076665	12/10/08	07:54	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Other	1	0
4032891	12/20/08	11:20	2	North	Rear-End	Other Motor Vehicle	South	Making Right Turn	East	Entering Traffic	Following Too Closely	0	0
4093992	1/31/09	13:31	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Improper Turning	0	0
4115211	2/11/09	22:00	75	South	Hit Object	Fixed Object	South	Proceeding Straight			Improper Turning	0	0
4131456	2/20/09	20:00	51	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Unsafe Speed	1	0
4120831	3/2/09	11:16	0	In Int.	Broadside	Bicycle	South	Making Right Turn	East	Proceeding Straight	Auto RW Violation	1	0
4239046	5/5/09	21:11	143	West	Broadside	Bicycle	North	Proceeding Straight	North	Proceeding Straight	Wrong Side of Road	1	0
4272283	5/15/09	22:01	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Other	1	0
4307008	7/4/09	19:15	0	In Int.	Rear-End	Other Motor Vehicle	Not Stated	Proceeding Straight	South	Slowing/Stopping	Unsafe Speed	0	0
4335071	7/28/09	11:26	45	North	Broadside	Other Motor Vehicle	East	Making Right Turn	South	Proceeding Straight	Auto RW Violation	0	0
4360010	8/11/09	01:04	56	East	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Unsafe Lane Change	0	0
4382424	8/31/09	12:28	80	West	Sideswipe	Fixed Object	West	Making Right Turn			Improper Turning	0	0
4419581	9/21/09	13:00	12	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
4419527	9/30/09	14:45	35	East	Rear-End	Other Motor Vehicle	West	Slowing/Stopping	West	Stopped in Road	Unsafe Speed	0	0

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4462238	10/17/09	18:23	12	West	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	0	0
4506870	12/18/09	08:51	0	In Int.	Not Stated	Pedestrian	South	Making Left Turn	East	Proceeding Straight	Pedestrian Violation	2	0
4579175	1/5/10	14:15	50	North	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Stopped in Road	Other Than Driver or Ped	1	0
4584982	1/11/10	20:28	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	1	0
4585032	1/22/10	06:14	0	In Int.	Hit Object	Fixed Object	West	Ran Off Road			Unsafe Speed	0	0
4585040	1/22/10	21:22	10	West	Hit Object	Fixed Object	West	Proceeding Straight			Driving Under Influence	0	0
4614167	2/4/10	15:38	0	In Int.	Vehicle - Pedestrian	Pedestrian	East	Proceeding Straight	South	Not Stated	Pedestrian Violation	1	0
4605416	2/10/10	18:11	5	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	1	0
4740222	2/24/10	10:07	54	West	Broadside	Bicycle	East	Proceeding Straight	South	Proceeding Straight	Wrong Side of Road	1	0
4823535	7/15/10	13:41	75	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Other	1	0
4845278	8/4/10	17:00	15	West	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Slowing/Stopping	Improper Turning	0	0
4965422	10/24/10	20:39	3	South	Vehicle - Pedestrian	Pedestrian	East	Entering Traffic	South	Making Right Turn	Pedestrian Violation	1	0
4932323	11/5/10	00:08	0	In Int.	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
4988661	11/30/10	20:14	75	South	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	1	0
5048451	12/26/10	17:45	13	East	Rear-End	Other Motor Vehicle	West	Slowing/Stopping	West	Stopped in Road	Unsafe Speed	2	0

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5101774	2/15/11	14:07	0	In Int.	Broadside	Other Motor Vehicle	East	Making Right Turn	East	Proceeding Straight	Auto R/W Violation	1	0
5123785	3/14/11	12:05	6	North	Vehicle - Pedestrian	Bicycle	North	Proceeding Straight	West	Proceeding Straight	Auto R/W Violation	1	0
5137346	3/24/11	20:11	75	West	Sideswipe	Other Motor Vehicle	West	Making Right Turn	West	Proceeding Straight	Auto R/W Violation	0	0
5145432	4/12/11	07:48	34	East	Not Stated	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	2	0
5160077	4/18/11	16:15	4	West	Not Stated	Bicycle	North	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	0	0
5212730	5/20/11	00:19	5	South	Broadside	Not Stated	West	Proceeding Straight	South	Proceeding Straight	Traffic Signals and Signs	0	0
5223451	6/4/11	22:08	13	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
5263963	7/15/11	11:31	0	In Int.	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Unsafe Lane Change	3	0
5268731	8/3/11	08:07	0	In Int.	Other	Non-Collision	East	Merging	East	Proceeding Straight	Other Than Driver or Ped	1	0
5274602	8/11/11	01:40	18	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	0	0
5274627	8/12/11	21:22	25	East	Sideswipe	Other Motor Vehicle	West	Making Left Turn	West	Making Left Turn	Improper Turning	2	0
5306363	8/15/11		0	In Int.	Hit Object	Fixed Object	Not Stated	Other	Not Stated		Unknown	0	0
5285539	8/20/11	20:35	142	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	2	0
5312525	9/4/11	10:35	70	East	Overturned	Non-Collision	East	Proceeding Straight	East	Changing Lanes	Unsafe Lane Change	1	0
5356311	9/9/11	16:40	78	East	Sideswipe	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	1	0

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Traffic Engineering Department
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Location: Brookhurst Street / Westminster Avenue
Date Range Reported: 7/1/1996 - 12/31/2014
Total Number of Collisions: 312

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
5322239	9/17/11	11:43	150	North	Broadside	Bicycle	North	Proceeding Straight	East	Making Right Turn	Wrong Side of Road	1	0
5364843	10/3/11	19:25	12	North	Sideswipe	Other Motor Vehicle	North	Making Left Turn	North	Making Right Turn	Auto R/W Violation	1	0
5358957	10/12/11	14:15	31	East	Not Stated	Other Motor Vehicle	South	Making Left Turn	Not Stated	Proceeding Straight	Auto R/W Violation	0	0
5366810	10/18/11	19:51	0	In Int.	Broadside	Other Motor Vehicle	South	Making Left Turn	East	Proceeding Straight	Driving Under Influence	1	0
5375736	11/1/11	19:17	0	In Int.	Broadside	Other Motor Vehicle	West	Other Unsafe Turning	West	Stopped in Road	Improper Turning	1	0
5505461	1/26/12	09:30	0	In Int.	Vehicle - Pedestrian	Pedestrian	Not Stated	Making Right Turn	East	Proceeding Straight	Ped R/W Violation	1	0
5525574	2/16/12	01:07	38	South	Hit Object	Fixed Object	South	Making Left Turn			Driving Under Influence	0	0
5524850	2/19/12	07:45	24	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Proceeding Straight	Unsafe Speed	0	0
5528633	3/2/12	14:35	80	South	Sideswipe	Other Motor Vehicle	North	Merging	North	Proceeding Straight	Unsafe Lane Change	0	0
5642323	5/20/12	17:02	149	East	Broadside	Bicycle	Not Stated	Proceeding Straight	South	Entering Traffic	Wrong Side of Road	1	0
5664067	5/31/12	19:41	40	South	Broadside	Bicycle	West	Making Left Turn	North	Traveling Wrong Way	Other Hazardous Movement	1	0
5677910	6/20/12	19:24	0	In Int.	Sideswipe	Other Motor Vehicle	Not Stated	Changing Lanes	North	Proceeding Straight	Improper Turning	0	0
5737456	7/3/12	13:24	0	In Int.	Not Stated	Other Motor Vehicle	West	Changing Lanes	North	Proceeding Straight	Unsafe Lane Change	0	0
5746318	7/25/12	15:57	48	East	Sideswipe	Other Motor Vehicle	South	Making Right Turn	West	Proceeding Straight	Auto R/W Violation	0	0
5784528	8/9/12	00:03	86	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	0	0

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Location: Brookhurst Street / Westminster Avenue
Date Range Reported: 7/1/1996 - 12/31/2014
Total Number of Collisions: 312

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
5783632	8/31/12	15:12	3	North	Broadside	Bicycle	East	Proceeding Straight	South	Making Left Turn	Wrong Side of Road	1	0
5824092	9/16/12	21:43	0	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	South	Proceeding Straight	Auto R/W Violation	1	0
5882649	12/14/12	11:03	56	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	2	0
5999488	1/29/13	13:20	32	North	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Not Stated	Unsafe Speed	1	0
6030893	3/31/13	19:40	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Starting or Backing	1	0
6221814	9/5/13	22:02	43	East	Broadside	Other Motor Vehicle	South	Proceeding Straight	North	Making Left Turn	Driving Under Influence	1	0
6228283	9/23/13	07:42	40	North	Sideswipe	Other Motor Vehicle	West	Making Right Turn	North	Proceeding Straight	Auto R/W Violation	0	0
6224976	9/23/13	19:21	75	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Other	1	0
6285250	11/13/13	12:44	36	West	Sideswipe	Non-Collision	Not Stated	Proceeding Straight	West	Proceeding Straight	Unsafe Lane Change	0	0
6298043	11/25/13	17:16	5	North	Not Stated	Pedestrian	Not Stated	Other	North	Proceeding Straight	Unknown	0	0
6350536	11/30/13	17:23	0	In Int.	Broadside	Bicycle	North	Proceeding Straight	East	Making Right Turn	Wrong Side of Road	1	0
6410184	2/21/14	23:05	0	In Int.	Sideswipe	Other Motor Vehicle	West	Making U Turn	West	Making Left Turn	Driving Under Influence	0	0
6400577	2/22/14	10:28	1	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Other	0	0
6466491	3/28/14	13:52	70	West	Rear-End	Other Motor Vehicle	East	Slowing/Stopping	East	Stopped in Road	Driving Under Influence	0	0
6468404	5/8/14	01:19	0	In Int.	Broadside	Other Motor Vehicle	West	Proceeding Straight	South	Proceeding Straight	Traffic Signals and Signs	1	0

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Location: Brookhurst Street / Westminster Avenue
Date Range Reported: 7/1/1996 - 12/31/2014
Total Number of Collisions: 312

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
6500433	5/14/14	15:00	0	In Int.	Broadside	Other Motor Vehicle	West	Proceeding Straight	North	Proceeding Straight	Unknown	3	0
6502265	5/25/14	23:26	0	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	South	Proceeding Straight	Traffic Signals and Signs	0	0
6559449	6/20/14	02:48	0	In Int.	Not Stated	Other Motor Vehicle	West	Making Right Turn	North	Not Stated	Auto R/W Violation	0	0
6559193	7/8/14	06:18	0	In Int.	Not Stated	Other Motor Vehicle	East	Proceeding Straight	West	Making Left Turn	Traffic Signals and Signs	0	0
6577701	7/20/14	11:52	45	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Proceeding Straight	Unsafe Speed	2	0
6578093	7/28/14	15:40	60	South	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Stopped in Road	Unsafe Speed	0	0
6619172	8/26/14	13:22	38	North	Sideswipe	Other Motor Vehicle	South	Passing Other Vehicle	South	Stopped in Road	Other Improper Driving	0	0
6637336	9/10/14	21:55	44	North	Not Stated	Other Motor Vehicle	Not Stated	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
6646203	9/30/14	21:27	30	North	Sideswipe	Other Motor Vehicle	South	Changing Lanes	South	Proceeding Straight	Improper Turning	1	0
6722704	11/6/14	18:39	75	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Following Too Closely	0	0
6760688	12/9/14	17:54	42	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	0	0
6760003	12/23/14	18:31	0	In Int.	Sideswipe	Other Motor Vehicle	East	Proceeding Straight	East	Changing Lanes	Unsafe Lane Change	0	0

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Location: Brookhurst Street / Westminster Avenue
 Date Range Reported: 7/1/1996 - 12/31/2014
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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
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Total Number of Collisions: 312

Settings Used For Query

<u>Parameter</u>	<u>Setting</u>
Street Name	BROOKHURST STREET
Cross Street	WESTMINSTER AVENUE
Starting Date	7/1/1996
Ending Date	12/31/2014
Intersection	Intersection Related

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Location: Brookhurst Street / Chapman Avenue
Date Range Reported: 1/1/2001 - 12/31/2014
Total Number of Collisions: 148

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
	2/10/01	17:01	63	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Proceeding Straight	Unsafe Speed	0	0
	4/23/01	12:31	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	1	0
	9/3/01	00:52	0	In Int.	Broadside	Other Motor Vehicle	East	Making Left Turn	West	Proceeding Straight	Auto R/W Violation	1	0
	9/21/01	17:15	0	In Int.	Broadside	Other Motor Vehicle	Not Stated	Changing Lanes	West	Proceeding Straight	Unknown	0	0
	10/3/01	00:03	0	In Int.	Other	Bicycle	West	Making Right Turn	North	Proceeding Straight	Auto R/W Violation	1	0
	10/13/01	08:41	23	North	Other	Bicycle	West	Proceeding Straight	North	Making Right Turn	Auto R/W Violation	1	0
0146230	12/4/01	17:35	15	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	Not Stated	Stopped in Road	Unsafe Speed	0	0
0269270	3/1/02	21:00	0	In Int.	Sideswipe	Other Motor Vehicle	Not Stated	Making Left Turn	North	Proceeding Straight	Unknown	0	0
0266507	5/3/02	15:43	18	West	Not Stated	Parked Motor Vehicle	East	Parking Maneuver	Not Stated	Parked	Unknown	0	0
0266405	5/15/02	10:57	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Starting or Backing	1	0
0343929	6/9/02	09:03	0	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	South	Proceeding Straight	Traffic Signals and Signs	0	0
0266485	6/21/02	10:26	109	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Following Too Closely	1	0
0344799	6/26/02	11:05	0	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	East	Proceeding Straight	Traffic Signals and Signs	1	0
0344614	7/27/02	20:45	0	In Int.	Rear-End	Other Motor Vehicle	Not Stated	Proceeding Straight	South	Stopped in Road	Other	0	0

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Location: Brookhurst Street / Chapman Avenue
Date Range Reported: 1/1/2001 - 12/31/2014
Total Number of Collisions: 148

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
0421626	9/20/02		0	In Int.	Sideswipe	Pedestrian	North	Making Right Turn	West	Other	Improper Turning	1	0
0421553	9/21/02	07:47	0	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	Not Stated	Making Left Turn	Traffic Signals and Signs	1	0
0608866	11/27/02	15:12	0	In Int.	Hit Object	Fixed Object	South	Making Left Turn			Improper Turning	1	0
0609694	12/19/02	23:10	24	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Proceeding Straight	Unsafe Speed	0	0
0668674	1/30/03	17:45	120	East	Broadside	Fixed Object	West	Changing Lanes	West	Proceeding Straight	Unsafe Lane Change	0	0
0808711	4/24/03	17:20	0	In Int.	Sideswipe	Other Motor Vehicle	South	Making Left Turn	North	Proceeding Straight	Auto R/W Violation	1	0
1043214	7/17/03	21:00	0	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	South	Proceeding Straight	Traffic Signals and Signs	1	0
0999278	8/20/03	16:20	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Following Too Closely	0	0
1060328	9/29/03	16:31	0	In Int.	Vehicle - Pedestrian	Pedestrian	East	Proceeding Straight	South	Proceeding Straight	Unknown	1	0
1123874	10/19/03	13:12	15	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	0	0
1162653	11/8/03	13:01	119	East	Sideswipe	Other Motor Vehicle	North	Making Right Turn	North	Stopped in Road	Improper Turning	0	0
1162539	11/18/03	00:00	0	In Int.	Broadside	Other Motor Vehicle	East	Making Left Turn	South	Proceeding Straight	Auto R/W Violation	1	0
1162540	11/18/03	14:04	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
1189686	12/7/03	02:19	125	East	Sideswipe	Not Stated	South	Making Left Turn	West	Proceeding Straight	Improper Turning	0	0
1272414	12/9/03	14:36	6	North	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Stopped in Road	Unsafe Speed	0	0

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Location: Brookhurst Street / Chapman Avenue
Date Range Reported: 1/1/2001 - 12/31/2014
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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
1256560	1/17/04	02:35	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
1334517	2/2/04	14:42	37	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	North	Stopped in Road	Unsafe Speed	2	0
1365970	2/5/04	13:35	0	In Int.	Broadside	Other Motor Vehicle	West	Proceeding Straight	South	Proceeding Straight	Traffic Signals and Signs	0	0
1334601	2/24/04	16:13	0	In Int.	Sideswipe	Other Motor Vehicle	East	Entering Traffic	West	Entering Traffic	Other	1	0
1452796	4/16/04	17:36	86	North	Rear-End	Other Motor Vehicle	South	Stopped in Road	South	Proceeding Straight	Unsafe Speed	0	0
1452824	5/3/04	12:16	0	In Int.	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Making Right Turn	Unsafe Speed	1	0
1452953	5/14/04	09:15	0	In Int.	Rear-End	Other Motor Vehicle	Not Stated	Slowing/Stopping	North	Proceeding Straight	Unsafe Speed	1	0
1452721	5/14/04	11:00	30	Not Stated	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Other	1	0
1522874	5/26/04	19:56	0	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	East	Stopped in Road	Improper Turning	1	0
1522819	5/29/04	13:58	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Unsafe Speed	1	0
1528192	6/14/04	00:17	0	In Int.	Sideswipe	Other Motor Vehicle	East	Making Right Turn	East	Proceeding Straight	Traffic Signals and Signs	0	0
1527877	7/3/04	15:52	136	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	2	0
1668416	8/8/04	13:23	57	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Unsafe Speed	0	0
1668362	9/6/04	15:49	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	7	0
1760335	10/1/04	11:16	0	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	North	Making Left Turn	Traffic Signals and Signs	0	0

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**Location: Brookhurst Street / Chapman Avenue
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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
1757990	10/14/04	09:03	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
1781942	12/3/04	12:53	0	In Int.	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Slowing/Stopping	Unsafe Speed	0	0
1781981	12/6/04	22:09	40	North	Sideswipe	Other Motor Vehicle	West	Making Left Turn	South	Proceeding Straight	Auto R/W Violation	0	0
1808695	12/24/04	13:19	0	In Int.	Broadside	Other Motor Vehicle	West	Proceeding Straight	South	Entering Traffic	Traffic Signals and Signs	1	0
1850260	1/8/05	22:39	75	East	Sideswipe	Other Motor Vehicle	West	Making Right Turn	West	Proceeding Straight	Unsafe Lane Change	0	0
1850252	1/12/05	14:02	76	East	Broadside	Bicycle	West	Proceeding Straight	East	Making Right Turn	Wrong Side of Road	1	0
1872833	1/24/05	12:20	15	West	Sideswipe	Other Motor Vehicle	South	Making Right Turn	West	Making Left Turn	Auto R/W Violation	0	0
1968323	3/17/05	17:20	40	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unknown	1	0
2136486	3/29/05	12:46	59	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
2277487	5/2/05	08:34	50	South	Sideswipe	Other Motor Vehicle	South	Proceeding Straight	South	Proceeding Straight	Improper Turning	1	0
2047058	5/7/05	23:56	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	3	0
2302978	6/8/05	17:18	112	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	1	0
2113991	6/14/05	17:25	45	West	Not Stated	Other Motor Vehicle	East	Slowing/Stopping	East	Stopped in Road	Unsafe Speed	1	0
2149108	7/19/05	20:52	35	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Proceeding Straight	Unsafe Speed	1	0
2243279	8/20/05	15:27	50	West	Rear-End	Other Motor Vehicle	East	Backing	East	Stopped in Road	Unsafe Starting or Backing	0	0

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Location: Brookhurst Street / Chapman Avenue
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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
2243219	8/20/05	17:00	0	In Int.	Sideswipe	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Lane Change	0	0
2242949	9/4/05	22:34	35	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	1	0
2243285	9/6/05	18:25	27	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
2281351	9/13/05	07:37	17	North	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Slowing/Stopping	Unsafe Speed	0	0
2420991	11/29/05	19:24	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	0	0
2483661	1/14/06	16:53	3	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Following Too Closely	0	0
2484696	2/5/06	14:06	0	In Int.	Rear-End	Other Motor Vehicle	South	Stopped in Road	South	Stopped in Road	Unsafe Speed	0	0
2484187	2/18/06	10:21	0	In Int.	Sideswipe	Other Motor Vehicle	North	Changing Lanes	East	Making Left Turn	Improper Turning	0	0
2588734	4/5/06	16:40	150	West	Sideswipe	Other Motor Vehicle	West	Changing Lanes	West	Proceeding Straight	Improper Turning	1	0
2616026	5/3/06	07:36	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Unsafe Speed	0	0
2686385	6/3/06	02:49	40	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Traffic Signals and Signs	0	0
2686482	6/15/06	15:10	31	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Making Right Turn	Improper Turning	0	0
2686488	6/19/06	16:35	25	East	Sideswipe	Fixed Object	East	Making Right Turn			Auto RW Violation	0	0
2738648	7/21/06	10:16	0	In Int.	Rear-End	Other Motor Vehicle	North	Making Left Turn	North	Stopped in Road	Improper Turning	0	0
2738684	7/23/06	21:21	0	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	East	Proceeding Straight	Traffic Signals and Signs	1	0

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**Location: Brookhurst Street / Chapman Avenue
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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
9021884	8/26/06	10:16	75	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Slowing/Stopping	Unsafe Speed	0	0
9021868	8/26/06	11:55	41	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Following Too Closely	0	0
2971342	12/1/06	11:36	10	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Slowing/Stopping	Unsafe Speed	2	0
3008704	1/8/07	13:09	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Proceeding Straight	Unsafe Speed	1	0
3014008	1/18/07	20:45	0	In Int.	Not Stated	Other Motor Vehicle	South	Passing Other Vehicle	South	Making Right Turn	Improper Turning	0	0
3057584	1/28/07	00:53	42	South	Rear-End	Other Motor Vehicle	North	Slowing/Stopping	North	Stopped in Road	Unsafe Speed	1	0
3089711	1/30/07	13:21	32	East	Hit Object	Fixed Object	South	Making Left Turn	South	Stopped in Road	Improper Turning	0	0
3064827	2/2/07	18:15	28	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Following Too Closely	0	0
3074578	2/14/07	18:18	25	East	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Improper Turning	0	0
3216817	6/6/07	09:21	56	South	Rear-End	Other Motor Vehicle	Not Stated	Proceeding Straight	North	Stopped in Road	Unsafe Starting or Backing	0	0
3303786	6/25/07	17:02	24	East	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	1	0
3329093	8/3/07	17:50	0	In Int.	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Making Right Turn	Unsafe Speed	0	0
3329136	8/12/07	16:00	32	East	Not Stated	Motor Vehicle on Other	West	Not Stated	West	Not Stated	Unsafe Speed	0	0
3333070	8/20/07	11:00	52	East	Rear-End	Other Motor Vehicle	West	Passing Other Vehicle	West	Stopped in Road	Unsafe Lane Change	0	0
3412625	10/10/07	16:20	1	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	1	0

**City of Garden Grove
Traffic Engineering Department**

Traffic Collision History Report

Location: Brookhurst Street / Chapman Avenue
Date Range Reported: 1/1/2001 - 12/31/2014
Total Number of Collisions: 148

Report No.	Date	Time	Dist. Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
3451310	10/13/07	11:08	146 South	Hit Object	Fixed Object	East	Proceeding Straight			Improper Turning	0	0
3461325	11/5/07	20:23	2 North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
3461309	11/13/07	21:08	84 East	Not Stated	Fixed Object	East	Making Left Turn			Improper Turning	0	0
3566840	1/6/08	01:00	21 East	Broadside	Other Motor Vehicle	North	Other Unsafe Turning	West	Stopped in Road	Driving Under Influence	0	0
3600625	2/9/08	18:39	120 South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Unsafe Speed	1	0
3616709	2/13/08	12:36	0 In Int.	Sideswipe	Other Motor Vehicle	West	Not Stated	West	Not Stated	Other	0	0
3674572	3/17/08	17:24	0 In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
3718625	4/25/08	19:51	18 South	Vehicle - Pedestrian	Pedestrian	North	Making Right Turn	West	Entering Traffic	Ped R/W Violation	1	0
3722852	5/5/08	10:24	0 In Int.	Sideswipe	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Other	0	0
3738088	5/13/08	07:46	0 In Int.	Broadside	Other Motor Vehicle	West	Proceeding Straight	North	Proceeding Straight	Traffic Signals and Signs	1	0
3905675	7/16/08	20:25	98 South	Broadside	Other Motor Vehicle	North	Passing Other Vehicle	North	Proceeding Straight	Improper Passing	0	0
3858225	9/10/08	08:23	15 North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
4093976	1/28/09	19:23	2 North	Vehicle - Pedestrian	Pedestrian	South	Making Right Turn	East	Proceeding Straight	Ped R/W Violation	1	0
4093984	1/31/09	19:00	0 In Int.	Sideswipe	Other Motor Vehicle	Not Stated	Making Left Turn	North	Stopped in Road	Improper Turning	0	0
4096797	2/1/09	13:22	0 In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unknown	0	0

**City of Garden Grove
Traffic Engineering Department**

Traffic Collision History Report

8/17/2015
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Location: Brookhurst Street / Chapman Avenue

Date Range Reported: 1/1/2001 - 12/31/2014

Total Number of Collisions: 148

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
4218440	4/25/09	02:01	10	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	0	0
4218436	4/28/09	14:09	115	West	Rear-End	Motor Vehicle on Other	East	Making Right Turn	East	Proceeding Straight	Auto R/W Violation	1	0
4239050	5/1/09	02:07	150	North	Hit Object	Fixed Object	North	Proceeding Straight	North	Driving Under Influence	Driving Under Influence	0	0
4292002	6/18/09	14:40	105	East	Broadside	Bicycle	North	Entering Traffic	West	Traveling Wrong Way	Auto R/W Violation	1	0
4297118	6/30/09	21:21	0	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	West	Proceeding Straight	Auto R/W Violation	1	0
4435332	10/3/09	10:57	1	West	Not Stated	Bicycle	West	Making Right Turn	South	Making Right Turn	Other Hazardous Movement	1	0
4435369	10/11/09	12:45	45	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
4482316	11/9/09	08:24	54	East	Rear-End	Other Motor Vehicle	Not Stated	Backing	West	Stopped in Road	Unsafe Starting or Backing	0	0
4532700	12/4/09	17:23	0	In Int.	Rear-End	Other Motor Vehicle	West	Making Left Turn	West	Making Left Turn	Following Too Closely	0	0
4588659	1/19/10	01:08	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	0	0
4614397	2/11/10	13:16	16	South	Rear-End	Pedestrian	Not Stated	Proceeding Straight	Not Stated	Parked	Other Improper Driving	1	0
4605316	2/19/10	02:21	24	East	Hit Object	Fixed Object	East	Proceeding Straight	East	Proceeding Straight	Driving Under Influence	0	0
4786628	6/19/10	19:09	32	West	Vehicle - Pedestrian	Bicycle	North	Making Right Turn	East	Proceeding Straight	Ped R/W Violation	1	0
4786576	6/27/10	02:28	0	In Int.	Broadside	Bicycle	East	Proceeding Straight	North	Proceeding Straight	Traffic Signals and Signs	1	0
4816375	7/25/10	09:19	27	North	Not Stated	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0

**City of Garden Grove
Traffic Engineering Department**

Traffic Collision History Report

8/17/2015
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Location: Brookhurst Street / Chapman Avenue
Date Range Reported: 1/1/2001 - 12/31/2014
Total Number of Collisions: 148

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
4853195	8/16/10	12:23	27	South	Not Stated	Other Motor Vehicle	North	Making Right Turn	North	Stopped in Road	Improper Turning	0	0
4907375	9/25/10	10:58	70	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
4976535	11/28/10	11:45	22	East	Hit Object	Other Object	West	Stopped in Road			Other Than Driver or Ped	0	0
4976531	11/29/10	13:12	47	South	Not Stated	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	0	0
5020625	12/12/10	22:06	33	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	0	0
5055404	1/3/11	12:11	0	In Int.	Hit Object	Fixed Object	North	Proceeding Straight			Unsafe Speed	1	0
5085067	2/12/11	01:13	22	East	Hit Object	Fixed Object	East	Making Right Turn			Improper Turning	0	0
5120655	3/12/11	17:00	3	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
5161061	4/28/11	19:10	0	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	1	0
5221594	6/16/11	21:40	0	In Int.	Vehicle - Pedestrian	Pedestrian	East	Making Right Turn	North	Other	Ped R/W Violation	1	0
5246737	6/27/11	12:00	20	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Slowing/Stopping	Unsafe Speed	0	0
5244019	7/11/11	06:27	0	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	East	Proceeding Straight	Auto R/W Violation	0	0
5356292	9/5/11	23:06	15	West	Head-On	Fixed Object	West	Proceeding Straight			Driving Under Influence	0	0
5387896	11/14/11	16:55	114	South	Rear-End	Motor Vehicle on Other	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
5423124	12/7/11	16:56	35	West	Sideswipe	Other Motor Vehicle	West	Changing Lanes	West	Proceeding Straight	Unsafe Lane Change	0	0

**City of Garden Grove
Traffic Engineering Department**

Traffic Collision History Report

8/17/2015
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Location: Brookhurst Street / Chapman Avenue
Date Range Reported: 1/1/2001 - 12/31/2014
Total Number of Collisions: 148

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
5465901	1/20/12	14:17	39	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Following Too Closely	0	0
5526284	3/4/12	20:00	0	In Int.	Not Stated	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	3	0
5534848	3/16/12	10:21	14	North	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Stopped in Road	Unsafe Speed	0	0
5638072	4/2/12	11:31	0	In Int.	Broadside	Other Motor Vehicle	West	Proceeding Straight	South	Proceeding Straight	Traffic Signals and Signs	2	1
5746279	7/23/12	17:53	0	In Int.	Sideswipe	Other Motor Vehicle	North	Making Right Turn	South	Stopped in Road	Improper Turning	1	0
6050001	5/2/13	19:37	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Unsafe Speed	1	0
6410188	2/28/14	20:22	0	In Int.	Broadside	Other Motor Vehicle	West	Proceeding Straight	North	Proceeding Straight	Auto R/W Violation	0	0
6487215	4/20/14	12:02	21	West	Rear-End	Other Motor Vehicle	West	Making Left Turn	West	Making Left Turn	Improper Turning	1	0
6560777	6/28/14	14:41	60	South	Not Stated	Other Motor Vehicle	North	Changing Lanes	North	Proceeding Straight	Improper Turning	0	0
6574551	7/15/14	08:20	0	In Int.	Rear-End	Other Motor Vehicle	North	Slowing/Stopping	North	Stopped in Road	Other	0	0
6663531	9/29/14	16:13	0	In Int.	Broadside	Bicycle	South	Traveling Wrong Way	West	Making Right Turn	Wrong Side of Road	1	0
6709597	11/1/14	15:00	60	South	Rear-End	Other Motor Vehicle	North	Other	North	Proceeding Straight	Unsafe Speed	0	0
6786563	12/2/14	14:26	143	North	Broadside	Other Motor Vehicle	North	Entering Traffic	South	Proceeding Straight	Auto R/W Violation	0	0

City of Garden Grove
 Traffic Engineering Department
 Traffic Collision History Report

8/17/2015
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Location: Brookhurst Street / Chapman Avenue
 Date Range Reported: 1/1/2001 - 12/31/2014
 Total Number of Collisions: 148

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
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Total Number of Collisions: 148

Settings Used For Query

<u>Parameter</u>	<u>Setting</u>
Street Name	BROOKHURST STREET
Cross Street	CHAPMAN AVENUE
Starting Date	1/1/2001
Ending Date	12/31/2014
Intersection	Intersection Related

**City of Garden Grove
Traffic Engineering Department**

Traffic Collision History Report

8/17/2015
Page 1

Location: Valley View Street / Chapman Avenue
Date Range Reported: 4/28/2002 - 12/31/2014
Total Number of Collisions: 65

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
0272428	6/11/02	12:17	41	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
0344785	6/22/02	20:44	0	In Int.	Hit Object	Fixed Object	East	Making Left Turn			Improper Turning	0	0
0422044	7/30/02	14:52	0	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	South	Proceeding Straight	Auto R/W Violation	0	0
0422096	8/26/02	12:32	55	South	Rear-End	Other Motor Vehicle	North	Slowing/Stopping	North	Stopped in Road	Unsafe Speed	0	0
0421651	9/17/02	08:32	28	South	Sideswipe	Other Motor Vehicle	North	Making Right Turn	North	Stopped in Road	Other	0	0
0421630	9/20/02	18:23	36	South	Not Stated	Other Motor Vehicle	North	Slowing/Stopping	North	Stopped in Road	Unsafe Speed	1	0
0840806	4/13/03	21:17	0	In Int.	Broadside	Bicycle	West	Proceeding Straight	South	Proceeding Straight	Pedestrian Violation	1	0
0808962	5/13/03	15:28	0	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	South	Proceeding Straight	Auto R/W Violation	1	0
0903802	7/3/03	08:31	140	North	Other	Non-Collision	South	Entering Traffic			Other Than Driver or Ped	1	0
1035682	7/18/03	10:36	0	In Int.	Sideswipe	Other Motor Vehicle	South	Passing Other Vehicle	South	Stopped in Road	Improper Turning	0	0
1210624	12/20/03	02:41	63	North	Head-On	Fixed Object	North	Proceeding Straight			Driving Under Influence	0	0
1210549	12/23/03	17:41	145	South	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Proceeding Straight	Unsafe Speed	0	0
1335845	2/28/04	21:32	0	In Int.	Sideswipe	Other Motor Vehicle	West	Proceeding Straight	South	Proceeding Straight	Unsafe Speed	0	0
1781995	12/7/04	11:54	0	In Int.	Head-On	Bicycle	West	Proceeding Straight	South	Proceeding Straight	Traffic Signals and Signs	1	0
1808691	12/16/04	08:16	0	In Int.	Not Stated	Other Motor Vehicle	West	Making Left Turn	South	Proceeding Straight	Auto R/W Violation	1	0

**City of Garden Grove
Traffic Engineering Department**

Traffic Collision History Report

8/17/2015
Page 2

Location: Valley View Street / Chapman Avenue
Date Range Reported: 4/28/2002 - 12/31/2014
Total Number of Collisions: 65

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
1955136	3/14/05	13:11	137	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Other Than Driver or Ped	1	0
2046521	4/15/05	06:11	28	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
2103585	6/22/05	17:06	50	North	Rear-End	Other Motor Vehicle	South	Backing	South	Stopped in Road	Unsafe Starting or Backing	0	0
2103605	6/23/05	15:51	0	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	West	Making Left Turn	Traffic Signals and Signs	0	0
2103561	6/29/05	16:30	40	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Proceeding Straight	Unsafe Speed	0	0
2278372	10/4/05	13:50	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Unsafe Speed	1	0
2297437	10/27/05	07:31	11	North	Broadside	Bicycle	South	Making Right Turn	East	Entering Traffic	Auto RW Violation	1	0
2337820	11/11/05	12:39	95	North	Broadside	Other Motor Vehicle	East	Entering Traffic	South	Proceeding Straight	Auto RW Violation	0	0
2319458	11/12/05	15:44	52	West	Rear-End	Other Motor Vehicle	Not Stated	Proceeding Straight	East	Slowing/Stopping	Unsafe Speed	0	0
2539103	3/14/06	21:39	0	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	South	Proceeding Straight	Unknown	0	0
2616014	5/2/06	17:09	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	2	0
2686282	5/29/06	13:36	75	North	Rear-End	Other Motor Vehicle	South	Stopped in Road	South	Stopped in Road	Unsafe Speed	0	0
9021913	8/23/06	11:57	40	East	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
2884942	10/16/06	06:12	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
3014004	1/6/07	13:15	31	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0

**City of Garden Grove
Traffic Engineering Department**

Traffic Collision History Report

8/17/2015
Page 3

Location: Valley View Street / Chapman Avenue
Date Range Reported: 4/28/2002 - 12/31/2014
Total Number of Collisions: 65

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
3064817	2/1/07	13:45	50	West	Not Stated	Other Motor Vehicle	East	Making Left Turn	East	Parked	Unknown	0	0
3064869	2/11/07	19:04	40	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	1	0
3120232	4/5/07	09:27	0	In Int.	Head-On	Other Motor Vehicle	South	Proceeding Straight	North	Making Left Turn	Traffic Signals and Signs	1	0
3156736	4/27/07	07:23	0	In Int.	Broadside	Bicycle	East	Proceeding Straight	East	Making Right Turn	Auto R/W Violation	1	0
3216845	6/6/07	06:57	52	South	Hit Object	Fixed Object	North	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
3216784	6/6/07	17:28	0	In Int.	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Stopped in Road	Unsafe Speed	0	0
3312130	6/16/07	11:54	31	East	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Following Too Closely	1	0
3461360	11/2/07	20:23	0	In Int.	Hit Object	Fixed Object	East	Making Left Turn	West	Making Left Turn	Driving Under Influence	1	0
3461499	11/18/07	19:51	0	In Int.	Head-On	Other Motor Vehicle	South	Proceeding Straight	West	Making Left Turn	Traffic Signals and Signs	0	0
3647274	3/7/08	15:09	0	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	North	Making Left Turn	Traffic Signals and Signs	2	0
4008732	8/25/08	17:36	145	West	Broadside	Bicycle	East	Proceeding Straight	South	Making Right Turn	Wrong Side of Road	1	0
4174917	3/19/09	07:54	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Unsafe Speed	0	0
4313285	7/9/09	21:51	60	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
4419523	9/25/09	15:24	0	In Int.	Not Stated	Not Stated	West	Proceeding Straight	North	Making Right Turn	Wrong Side of Road	1	0
4533224	11/24/09	18:46	32	South	Vehicle - Pedestrian	Pedestrian	East	Not Stated	North	Proceeding Straight	Pedestrian Violation	0	0

**City of Garden Grove
Traffic Engineering Department**

Traffic Collision History Report

8/17/2015
Page 4

Location: Valley View Street / Chapman Avenue
Date Range Reported: 4/28/2002 - 12/31/2014
Total Number of Collisions: 65

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
4588695	1/22/10	17:51	0	In Int.	Hit Object	Other Object	North	Proceeding Straight			Other Than Driver or Ped	0	0
4584970	1/22/10	18:39	0	In Int.	Other	Fixed Object	North	Proceeding Straight			Other Than Driver or Ped	0	0
4777234	6/16/10	13:15	6	East	Other	Bicycle	North	Making Right Turn	North	Proceeding Straight	Auto R/W Violation	1	0
4845234	8/10/10	13:07	32	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
4934017	10/22/10	13:53	0	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	South	Proceeding Straight	Improper Turning	1	0
4979224	11/17/10	20:27	143	North	Not Stated	Other Motor Vehicle	South	Entering Traffic	South	Proceeding Straight	Auto R/W Violation	0	0
5054380	1/13/11	17:30	0	In Int.	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Stopped in Road	Other	0	0
5054437	1/15/11	18:23	0	In Int.	Broadside	Pedestrian	East	Proceeding Straight	North	Making Left Turn	Pedestrian Violation	1	0
5272801	8/20/11	08:42	0	In Int.	Hit Object	Fixed Object	South	Making Left Turn			Improper Turning	0	0
5330969	10/7/11	06:11	147	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	2	0
5364859	10/8/11	11:37	25	North	Vehicle - Pedestrian	Pedestrian	Not Stated	Proceeding Straight	North	Proceeding Straight	Pedestrian Violation	1	0
5393568	11/16/11	06:50	40	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Other	2	0
5607475	5/3/12	10:58	33	South	Rear-End	Other Motor Vehicle	North	Stopped in Road	North	Stopped in Road	Other Than Driver or Ped	0	0
6071996	5/4/13	23:44	0	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	South	Proceeding Straight	Driving Under Influence	1	0
6347839	11/29/13	14:58	0	In Int.	Head-On	Other Motor Vehicle	South	Making Left Turn	North	Proceeding Straight	Improper Turning	2	0

City of Garden Grove
Traffic Engineering Department
Traffic Collision History Report

8/17/2015
Page 5

Location: Valley View Street / Chapman Avenue
Date Range Reported: 4/28/2002 - 12/31/2014
Total Number of Collisions: 65

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
6341643	12/20/13	10:33	0	In Int.	Rear-End	Other Motor Vehicle	East	Slowing/Stopping	East	Stopped in Road	Unsafe Speed	1	0
6340957	1/14/14	08:47	65	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	2	0
6466476	3/30/14	22:34	40	Not Stated	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	0	0
6453246	4/26/14	10:25	0	In Int.	Sideswipe	Other Motor Vehicle	South	Proceeding Straight	West	Proceeding Straight	Auto R/W Violation	0	0
6637590	9/4/14	23:22	0	In Int.	Rear-End	Other Motor Vehicle	Not Stated	Proceeding Straight	North	Stopped in Road	Following Too Closely	0	0

City of Garden Grove
 Traffic Engineering Department
 Traffic Collision History Report

8/17/2015
 Page 6

Location: Valley View Street / Chapman Avenue
 Date Range Reported: 4/28/2002 - 12/31/2014
 Total Number of Collisions: 65

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
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Total Number of Collisions: 65

Settings Used For Query

<u>Parameter</u>	<u>Setting</u>
Street Name	VALLEY VIEW STREET
Cross Street	CHAPMAN AVENUE
Starting Date	4/28/2002
Ending Date	12/31/2014
Intersection	Intersection Related

**City of Garden Grove
Traffic Engineering Department**

Traffic Collision History Report

8/17/2015
Page 1

Location: Brookhurst Street / Orangewood Avenue
Date Range Reported: 7/1/2002 - 12/31/2014
Total Number of Collisions: 57

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
0584359	12/6/02	15:34	125	North	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Stopped in Road	Unsafe Speed	1	0
0840524	4/4/03	14:55	70	West	Other	Non-Collision	East	Other	East	Other	Other	1	0
0809013	5/10/03	10:18	62	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
0999279	8/26/03	05:35	0	In Int.	Overtaken	Other Motor Vehicle	North	Proceeding Straight	East	Proceeding Straight	Traffic Signals and Signs	2	0
1162637	11/3/03	13:37	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
1162610	11/14/03	06:15	45	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Other	1	0
1210586	12/22/03	22:30	68	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
1366081	3/27/04	23:01	150	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Proceeding Straight	Unsafe Speed	0	0
1400874	4/11/04	10:04	125	South	Broadside	Other Motor Vehicle	North	Changing Lanes	North	Proceeding Straight	Unsafe Lane Change	0	0
1557800	5/9/04	04:20	60	East	Head-On	Fixed Object	East	Ran Off Road			Improper Turning	0	0
1668634	9/25/04	11:30	0	In Int.	Head-On	Other Motor Vehicle	East	Making Left Turn	West	Proceeding Straight	Auto RW Violation	0	0
1758099	11/22/04	09:48	25	West	Sideswipe	Other Motor Vehicle	South	Making Right Turn	West	Proceeding Straight	Unknown	1	0
1872824	1/28/05	15:31	12	West	Vehicle - Pedestrian	Not Stated	East	Making Right Turn	North	Proceeding Straight	Ped RW Violation	1	0
1913258	2/16/05	09:31	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
2088678	5/18/05	17:46	0	In Int.	Broadside	Bicycle	South	Stopped in Road	West	Making Right Turn	Auto RW Violation	1	0

City of Garden Grove
Traffic Engineering Department
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Location: Brookhurst Street / Orangewood Avenue
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2282252	10/3/05	08:12	10	North	Hit Object	Fixed Object	South	Slowing/Stopping			Driving Under Influence	0	0
2316725	10/26/05	11:17	0	In Int.	Sideswipe	Other Motor Vehicle	South	Proceeding Straight	West	Proceeding Straight	Other	2	0
2337841	11/17/05	01:00	0	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	South	Proceeding Straight	Driving Under Influence	2	0
2454604	12/3/05	00:16	45	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	0	0
2456387	1/1/06	15:02	58	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
2484213	2/10/06	15:01	0	In Int.	Sideswipe	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Driving Under Influence	0	0
9021953	6/24/06	10:32	0	In Int.	Broadside	Other Motor Vehicle	East	Making Left Turn	West	Proceeding Straight	Auto R/W Violation	1	0
2738640	7/9/06	22:52	0	In Int.	Broadside	Pedestrian	East	Proceeding Straight	North	Proceeding Straight	Traffic Signals and Signs	2	0
2815684	9/29/06	15:00	36	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
2835587	10/5/06	07:35	0	In Int.	Head-On	Bicycle	West	Proceeding Straight	East	Making Right Turn	Wrong Side of Road	1	0
2885906	10/18/06	23:13	40	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	1	0
2914347	11/3/06	17:32	0	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	West	Making Left Turn	Auto R/W Violation	1	0
2971310	12/8/06	14:35	12	West	Hit Object	Bicycle	South	Proceeding Straight	East	Proceeding Straight	Traffic Signals and Signs	2	0
3074621	2/12/07	14:20	10	North	Sideswipe	Motor Vehicle on Other	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
3120466	3/17/07	13:23	0	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	East	Proceeding Straight	Traffic Signals and Signs	1	0

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Location: Brookhurst Street / Orangewood Avenue
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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
3220961	4/15/07	13:00	80	North	Not Stated	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	2	0
3216760	6/1/07	12:52	25	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
3881470	8/1/08	08:26	50	South	Rear-End	Other Motor Vehicle	North	Slowing/Stopping	North	Slowing/Stopping	Unsafe Speed	0	0
3854403	8/9/08	22:09	0	In Int.	Broadside	Other Motor Vehicle	West	Proceeding Straight	South	Proceeding Straight	Traffic Signals and Signs	0	0
4053843	12/22/08	07:30	50	North	Sideswipe	Other Motor Vehicle	Not Stated	Proceeding Straight	Not Stated	Not Stated	Other	0	0
4055506	1/1/09	02:46	0	In Int.	Head-On	Other Motor Vehicle	North	Proceeding Straight	South	Proceeding Straight	Wrong Side of Road	0	0
4098658	2/9/09	14:05	129	North	Hit Object	Fixed Object	South	Merging			Other	0	0
4115231	2/11/09	09:30	0	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	East	Proceeding Straight	Traffic Signals and Signs	1	0
4131504	2/23/09	19:39	81	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	1	0
4275007	6/14/09	19:32	0	In Int.	Not Stated	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	3	0
4313281	7/8/09	12:36	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Other Hazardous Movement	0	0
4588683	1/26/10	11:05	109	North	Not Stated	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
4618339	3/1/10	09:13	0	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	1	0
4681433	3/23/10	17:23	0	In Int.	Not Stated	Bicycle	North	Entering Traffic	North	Making Right Turn	Wrong Side of Road	0	0
4704601	5/3/10	02:19	15	North	Hit Object	Fixed Object	North	Proceeding Straight			Driving Under Influence	0	0

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Location: Brookhurst Street / Orangewood Avenue
Date Range Reported: 7/1/2002 - 12/31/2014
Total Number of Collisions: 57

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
4853151	8/19/10	15:25	0	In Int.	Rear-End	Other Motor Vehicle	South	Stopped in Road	South	Parked	Improper Turning	1	0
4907379	9/25/10		100	East	Sideswipe	Other Object	Not Stated	Not Stated	Not Stated	Parked	Unknown	0	0
5145367	4/9/11	17:00	0	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	East	Proceeding Straight	Traffic Signals and Signs	0	0
5432640	12/9/11	18:30	9	East	Broadside	Other Motor Vehicle	South	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	0	0
5442569	12/20/11	23:50	0	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	North	Proceeding Straight	Traffic Signals and Signs	0	0
5664081	6/1/12	15:40	25	West	Not Stated	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
6285242	11/21/13	21:10	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	0	0
6387115	2/12/14	15:51	87	West	Hit Object	Fixed Object	East	Proceeding Straight	East	Stopped in Road	Improper Turning	1	0
6440054	3/19/14	07:38	112	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
6447143	4/3/14	08:40	27	South	Broadside	Other Motor Vehicle	North	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	1	0
6487898	5/3/14	19:47	40	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
6511938	6/9/14	10:00	0	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	1	0

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Location: Brookhurst Street / Oranewood Avenue
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 Total Number of Collisions: 57

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kill
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Total Number of Collisions: 57

Settings Used For Query

<u>Parameter</u>	<u>Setting</u>
Street Name	BROOKHURST STREET
Cross Street	ORANGEWOOD AVENUE
Starting Date	7/1/2002
Ending Date	12/31/2014
Intersection	Intersection Related

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Traffic Collision History Report

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Location: Valley View Street / Lampson Avenue
Date Range Reported: 10/5/2001 - 12/31/2014
Total Number of Collisions: 100

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
0094298	10/25/01	10:48	0	In Int.	Broadside	Other Motor Vehicle	West	Making Left Turn	South	Proceeding Straight	Auto R/W Violation	1	0
	12/12/01	12:03	0	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	West	Making Left Turn	Auto R/W Violation	3	0
0100806	1/10/02	07:27	0	In Int.	Vehicle - Pedestrian	Pedestrian	East	Making Left Turn	East	Other	Ped R/W Violation	1	0
0146024	1/26/02	15:40	0	In Int.	Head-On	Other Motor Vehicle	South	Making Left Turn	West	Making Left Turn	Unknown	1	0
0180551	3/19/02	08:04	32	South	Broadside	Other Motor Vehicle	East	Making Left Turn	North	Proceeding Straight	Auto R/W Violation	1	0
0266496	4/18/02	20:25	0	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	South	Proceeding Straight	Auto R/W Violation	1	0
0266475	5/17/02	11:59	0	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	East	Making Left Turn	Unknown	1	0
0272441	5/22/02	08:48	90	West	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	2	0
0272436	5/26/02	17:51	34	South	Rear-End	Other Motor Vehicle	North	Changing Lanes	North	Stopped in Road	Unsafe Speed	0	0
0272374	6/15/02	19:17	99	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Making Right Turn	Unsafe Speed	1	0
0343993	6/18/02	07:49	0	In Int.	Head-On	Other Motor Vehicle	North	Making Left Turn	South	Proceeding Straight	Auto R/W Violation	2	0
0343945	7/17/02	12:46	75	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
0344640	7/18/02	10:45	50	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
0482765	7/26/02	15:50	5	West	Vehicle - Pedestrian	Pedestrian	East	Making Right Turn	North	Not Stated	Pedestrian Violation	1	0
	10/1/02	20:35	0	In Int.	Head-On	Other Motor Vehicle	South	Making Left Turn	West	Proceeding Straight	Auto R/W Violation	1	0

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Location: Valley View Street / Lampson Avenue
Date Range Reported: 10/5/2001 - 12/31/2014
Total Number of Collisions: 100

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
0539233	11/3/02	11:00	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
0705046	3/8/03	23:36	0	In Int.	Head-On	Non-Collision	North	Making Left Turn	South	Proceeding Straight	Auto R/W Violation	0	0
0749677	3/10/03	19:24	20	South	Rear-End	Not Stated	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	0	0
1069054	10/14/03	13:00	10	North	Rear-End	Other Motor Vehicle	South	Stopped in Road	Not Stated	Slowing/Stopping	Following Too Closely	0	0
1256536	1/7/04	14:06	118	South	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Proceeding Straight	Unsafe Speed	1	0
1335851	3/2/04	15:53	52	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
1366034	3/26/04	04:56	0	In Int.	Head-On	Other Motor Vehicle	South	Making Left Turn	North	Proceeding Straight	Auto R/W Violation	2	0
1452788	4/25/04	12:20	0	In Int.	Head-On	Other Motor Vehicle	West	Making Left Turn	East	Proceeding Straight	Auto R/W Violation	0	0
1452885	5/29/04	18:47	0	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	East	Proceeding Straight	Traffic Signals and Signs	1	0
1522856	6/6/04	10:21	0	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	West	Proceeding Straight	Other	1	0
1583360	7/31/04	11:26	0	In Int.	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
1758144	11/12/04	10:31	109	West	Sideswipe	Other Motor Vehicle	South	Changing Lanes	West	Slowing/Stopping	Unsafe Lane Change	0	0
1808719	12/23/04	14:05	100	South	Sideswipe	Other Motor Vehicle	North	Changing Lanes	North	Proceeding Straight	Other	0	0
1913260	2/16/05	22:09	0	In Int.	Head-On	Other Motor Vehicle	East	Making Left Turn	West	Proceeding Straight	Auto R/W Violation	1	0
2242937	8/29/05	20:10	38	East	Head-On	Other Motor Vehicle	East	Making Left Turn	West	Proceeding Straight	Auto R/W Violation	1	0

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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
2242639	9/15/05	19:00	0	In Int.	Head-On	Bicycle	West	Making Right Turn	East	Proceeding Straight	Wrong Side of Road	0	0
2319509	11/11/05	18:45	148	West	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Making Left Turn	Unsafe Speed	0	0
2337802	11/19/05	12:00	0	In Int.	Hit Object	Fixed Object	West	Making Right Turn			Improper Turning	0	0
2454456	12/20/05	18:51	0	In Int.	Vehicle - Pedestrian	Pedestrian	South	Other	West	Proceeding Straight	Pedestrian Violation	0	1
2539075	2/23/06	07:57	142	West	Broadside	Other Motor Vehicle	South	Proceeding Straight	East	Proceeding Straight	Auto R/W Violation	1	0
2588701	4/20/06	21:24	0	In Int.	Head-On	Other Motor Vehicle	East	Making Left Turn	West	Proceeding Straight	Auto R/W Violation	0	0
2686299	5/25/06	19:11	60	North	Broadside	Other Motor Vehicle	South	Making Right Turn	South	Proceeding Straight	Unsafe Lane Change	0	0
2777094	8/15/06	16:43	21	North	Rear-End	Other Motor Vehicle	South	Stopped in Road	South	Stopped in Road	Unsafe Speed	0	0
9021941	9/1/06	14:58	50	South	Rear-End	Other Motor Vehicle	North	Making Left Turn	South	Proceeding Straight	Auto R/W Violation	0	0
2885890	10/26/06	06:40	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Unsafe Speed	2	0
3014759	12/3/06	11:47	38	North	Sideswipe	Other Motor Vehicle	South	Entering Traffic	South	Proceeding Straight	Unsafe Lane Change	0	0
3017558	12/15/06	07:24	0	In Int.	Head-On	Other Motor Vehicle	West	Making Left Turn	East	Proceeding Straight	Auto R/W Violation	2	0
3014063	1/18/07	07:28	3	North	Rear-End	Other Motor Vehicle	South	Stopped in Road	South	Slowing/Stopping	Unsafe Speed	1	0
3046147	1/22/07	14:04	150	East	Broadside	Other Motor Vehicle	South	Entering Traffic	West	Proceeding Straight	Auto R/W Violation	2	0
3074612	1/29/07	13:36	149	South	Hit Object	Fixed Object	South	Making Left Turn			Improper Turning	0	0

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3156759	4/27/07	14:57	0	In Int.	Broadside	Motor Vehicle on Other	East	Making Left Turn	North	Stopped in Road	Auto R/W Violation	1	0
3308605	7/6/07	19:44	70	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
3329820	8/20/07	18:19	35	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Unsafe Speed	1	0
3395638	8/30/07	08:02	0	In Int.	Rear-End	Other Motor Vehicle	East	Making Right Turn	East	Making Right Turn	Other	1	0
3461341	11/4/07	18:42	30	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Other	0	0
3512693	11/30/07	12:53	109	South	Hit Object	Fixed Object	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
3647215	3/11/08	20:04	16	North	Vehicle - Pedestrian	Pedestrian	North	Making Left Turn	East	Other	Ped R/W Violation	1	0
3651644	3/16/08	20:29	0	In Int.	Head-On	Other Motor Vehicle	South	Making Left Turn	West	Proceeding Straight	Auto R/W Violation	1	0
3722860	5/5/08	17:30	3	West	Not Stated	Bicycle	North	Making Right Turn	West	Proceeding Straight	Wrong Side of Road	1	0
3798960	6/12/08	08:57	40	North	Sideswipe	Other Motor Vehicle	North	Making Right Turn	North	Making Left Turn	Unknown	0	0
3795268	6/18/08	22:55	0	In Int.	Vehicle - Pedestrian	Pedestrian	South	Making Right Turn	South	Proceeding Straight	Other	1	0
3942105	10/6/08	08:23	8	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
4116728	10/29/08	07:57	148	West	Broadside	Bicycle	East	Proceeding Straight	South	Entering Traffic	Wrong Side of Road	1	0
4076592	12/12/08	16:24	0	In Int.	Broadside	Other Motor Vehicle	South	Making Left Turn	East	Proceeding Straight	Auto R/W Violation	0	0
4021374	12/20/08	12:02	0	In Int.	Sideswipe	Other Motor Vehicle	North	Proceeding Straight	West	Making Left Turn	Traffic Signals and Signs	2	0

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4045302	1/10/09	14:34	53	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Driving Under Influence	0	0
4082756	1/17/09	05:48	0	In Int.	Head-On	Other Motor Vehicle	South	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	0	0
4033530	1/18/09	14:08	18	West	Vehicle - Pedestrian	Pedestrian	South	Proceeding Straight	West	Making Right Turn	Other	1	0
4044063	1/23/09	05:13	15	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
4261898	5/29/09	16:04	19	East	Vehicle - Pedestrian	Pedestrian	Not Stated	Making Right Turn	South	Other	Ped R/W Violation	1	0
4347596	7/24/09	20:38	137	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	0	0
4370235	8/17/09	16:00	0	In Int.	Broadside	Other Motor Vehicle	West	Making Left Turn	East	Proceeding Straight	Auto R/W Violation	1	0
4413834	9/19/09	17:37	14	North	Broadside	Other Motor Vehicle	West	Making Left Turn	South	Proceeding Straight	Traffic Signals and Signs	1	0
4445766	10/12/09	12:28	38	East	Broadside	Other Motor Vehicle	East	Making Left Turn	West	Proceeding Straight	Auto R/W Violation	0	0
4559330	11/25/09	10:33	50	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
4614179	2/3/10	18:44	0	In Int.	Broadside	Bicycle	North	Making Right Turn	West	Proceeding Straight	Ped R/W Violation	1	0
4648238	3/31/10	16:05	73	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
4664244	4/6/10	22:21	0	In Int.	Head-On	Other Motor Vehicle	West	Making Left Turn	East	Proceeding Straight	Auto R/W Violation	2	0
4853138	8/14/10	14:13	78	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	2	0
4862376	8/31/10	11:35	16	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Following Too Closely	2	0

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Date Range Reported: 10/5/2001 - 12/31/2014
Total Number of Collisions: 100

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
4976536	11/24/10	05:50	0	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	West	Making Left Turn	Traffic Signals and Signs	0	0
5020562	12/22/10	18:40	0	In Int.	Head-On	Other Motor Vehicle	East	Making Left Turn	West	Proceeding Straight	Auto R/W Violation	1	0
5101770	2/15/11	10:12	0	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	West	Proceeding Straight	Auto R/W Violation	1	0
5212777	5/20/11	19:18	0	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	South	Proceeding Straight	Other	1	0
5193534	6/13/11	15:54	22	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
5246729	6/30/11	18:30	50	North	Sideswipe	Other Motor Vehicle	South	Other Unsafe Turning	South	Stopped in Road	Improper Turning	0	0
5263991	7/15/11	20:12	0	In Int.	Head-On	Other Motor Vehicle	East	Making Left Turn	West	Proceeding Straight	Auto R/W Violation	2	0
5285537	8/23/11	07:38	51	North	Not Stated	Non-Collision	South	Proceeding Straight	South	Proceeding Straight	Improper Turning	0	0
5312990	9/5/11	13:16	100	West	Rear-End	Other Motor Vehicle	North	Entering Traffic	East	Stopped in Road	Unsafe Speed	0	0
5398849	11/26/11	10:04	21	Not Stated	Sideswipe	Other Motor Vehicle	North	Making Right Turn	North	Stopped in Road	Improper Turning	0	0
5423019	11/30/11	17:58	0	In Int.	Not Stated	Not Stated	East	Not Stated	North	Not Stated	Auto R/W Violation	0	0
5442582	12/16/11	13:13	0	In Int.	Head-On	Other Motor Vehicle	East	Making Left Turn	West	Proceeding Straight	Auto R/W Violation	1	0
5473302	1/4/12	07:53	126	North	Sideswipe	Other Motor Vehicle	Not Stated	Changing Lanes	South	Stopped in Road	Improper Turning	0	0
5524846	2/11/12	00:54	0	In Int.	Hit Object	Fixed Object	North	Proceeding Straight			Driving Under Influence	0	0
5583420	4/13/12	12:10	116	South	Broadside	Other Motor Vehicle	West	Making Right Turn	North	Proceeding Straight	Auto R/W Violation	1	0

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Traffic Engineering Department
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Location: Valley View Street / Lampson Avenue
Date Range Reported: 10/5/2001 - 12/31/2014
Total Number of Collisions: 100

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
5835744	9/29/12	01:59	23	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
5882665	12/11/12	07:25	0	In Int.	Broadside	Other Motor Vehicle	East	Making Left Turn	South	Proceeding Straight	Other	2	0
6059456	5/4/13	18:33	35	North	Vehicle - Pedestrian	Pedestrian	West	Making Right Turn	South	Not Stated	Unsafe Speed	1	0
6228279	9/25/13	05:16	5	North	Head-On	Fixed Object	North	Proceeding Straight			Other	0	0
6377634	1/18/14	19:43	0	In Int.	Broadside	Other Motor Vehicle	East	Making Left Turn	North	Proceeding Straight	Auto R/W Violation	1	0
6384664	2/15/14	17:45	40	Not Stated	Sideswipe	Other Motor Vehicle	South	Changing Lanes	South	Stopped in Road	Unsafe Speed	0	0
6415813	3/9/14	12:50	20	South	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Following Too Closely	0	0
6672143	9/24/14	12:40	14	South	Not Stated	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
6667734	10/6/14	20:10	30	West	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Making Right Turn	Unsafe Speed	0	0
6789670	12/29/14	23:36	15	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	1	0

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 Traffic Engineering Department
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Location: Valley View Street / Lampson Avenue
 Date Range Reported: 10/5/2001 - 12/31/2014
 Total Number of Collisions: 100

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
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Total Number of Collisions: 100

Settings Used For Query

<u>Parameter</u>	<u>Setting</u>
Street Name	VALLEY VIEW STREET
Cross Street	LAMPSON AVENUE
Starting Date	10/5/2001
Ending Date	12/31/2014
Intersection	Intersection Related

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Location: Harbor Boulevard / Trask Avenue
Date Range Reported: 2/20/2001 - 12/31/2014
Total Number of Collisions: 185

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
	2/27/01	17:24	97	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
	3/23/01	15:00	0	In Int.	Sideswipe	Other Motor Vehicle	North	Making Right Turn	North	Making Right Turn	Improper Turning	0	0
	4/26/01	22:58	0	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	East	Proceeding Straight	Unsafe Speed	2	0
	5/25/01	14:07	19	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
	7/11/01	21:32	73	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
	7/25/01	17:40	97	South	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
	10/24/01	05:35	0	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	2	0
	11/9/01	17:37	0	In Int.	Other	Bicycle	North	Proceeding Straight	East	Making Right Turn	Wrong Side of Road	1	0
	11/10/01	13:19	0	In Int.	Broadside	Other Motor Vehicle	West	Proceeding Straight	East	Making Left Turn	Traffic Signals and Signs	0	0
	11/25/01	20:22	25	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	2	0
	11/25/01	22:55	0	In Int.	Broadside	Other Motor Vehicle	North	Making Right Turn	West	Stopped in Road	Driving Under Influence	0	0
0098333	2/1/02	12:20	124	South	Hit Object	Fixed Object	North	Making Right Turn		Improper Turning		0	0
0098189	2/3/02	10:52	120	South	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
0098342	2/3/02	21:12	0	In Int.	Broadside	Other Motor Vehicle	West	Making Left Turn	South	Proceeding Straight	Other Improper Driving	0	0
0146110	2/12/02	19:28	150	South	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	2	0

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Location: Harbor Boulevard / Trask Avenue
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Total Number of Collisions: 185

Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
0146223	2/15/02	15:45	0	In Int.	Rear-End	Other Motor Vehicle	Not Stated	Proceeding Straight	North	Stopped in Road	Unknown	2	0
0137706	3/31/02	04:03	28	West	Broadside	Other Motor Vehicle	North	Proceeding Straight	East	Proceeding Straight	Driving Under Influence	3	0
0269459	5/2/02	06:42	0	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	0	0
0344816	6/30/02	11:54	70	South	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
0343967	7/3/02	13:15	0	In Int.	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Other	0	0
0422023	7/26/02	06:13	0	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	1	0
0344603	7/30/02	15:20	135	South	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
0422072	8/26/02	07:47	0	In Int.	Rear-End	Not Stated	East	Proceeding Straight	East	Slowing/Stopping	Other	0	0
0421587	9/7/02	18:52	0	In Int.	Overtaken	Other Object	North	Making Right Turn	North	Other Than Driver or Ped	Other Than Driver or Ped	1	0
0484383	9/15/02	19:52	20	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	0	0
0482856	9/22/02	11:00	0	In Int.	Sideswipe	Other Motor Vehicle	North	Changing Lanes	North	Proceeding Straight	Other	0	0
0484349	10/12/02	17:07	102	South	Rear-End	Other Motor Vehicle	North	Slowing/Stopping	North	Stopped in Road	Unsafe Speed	0	0
0539240	11/2/02	01:30	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
0539189	11/18/02	21:30	100	East	Sideswipe	Not Stated	Not Stated	Other	East	Proceeding Straight	Other	0	0
0584318	11/22/02	08:27	75	East	Hit Object	Other Object	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0

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Location: Harbor Boulevard / Trask Avenue
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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
0608817	11/28/02	20:27	55	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	0	0
0539161	11/28/02	23:11	0	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	South	Making Left Turn	Traffic Signals and Signs	0	0
0705073	3/4/03	14:10	95	South	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
0705041	3/8/03	02:00	30	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Following Too Closely	0	0
0808706	5/2/03	12:36	88	East	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Slowing/Stopping	Unsafe Speed	1	0
0808698	5/3/03	18:43	25	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
0809005	5/10/03	17:33	50	South	Rear-End	Other Motor Vehicle	East	Proceeding Straight	North	Stopped in Road	Unsafe Speed	2	0
0840604	5/29/03	11:10	0	In Int.	Sideswipe	Other Motor Vehicle	North	Proceeding Straight	West	Making Left Turn	Traffic Signals and Signs	0	0
0867013	5/30/03	15:15	50	East	Hit Object	Fixed Object	West	Other Unsafe Turning			Improper Turning	0	0
0931925	7/12/03	21:00	60	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Traffic Signals and Signs	1	0
0931942	7/15/03	21:43	0	In Int.	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Stopped in Road	Unsafe Speed	1	0
0975873	8/13/03	18:32	0	In Int.	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Improper Turning	0	0
1069112	9/9/03	08:21	10	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	1	0
0999257	9/9/03	12:54	10	South	Rear-End	Other Motor Vehicle	North	Stopped in Road	North	Proceeding Straight	Unsafe Speed	1	0
1060314	9/9/03	15:28	0	In Int.	Broadside	Other Object	South	Making Right Turn	East	Stopped in Road	Other Equipment	0	0

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Location: Harbor Boulevard / Trask Avenue
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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
1162631	11/3/03	15:30	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	1	0
1123890	11/3/03	20:21	20	South	Rear-End	Other Motor Vehicle	North	Slowing/Stopping	North	Stopped in Road	Unsafe Speed	1	0
1162651	11/10/03	02:15	19	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	1	0
1162568	11/23/03	16:44	8	East	Sideswipe	Other Motor Vehicle	West	Proceeding Straight	West	Proceeding Straight	Improper Turning	0	0
1189715	12/1/03	13:08	0	In Int.	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Stopped in Road	Unsafe Speed	1	0
1210513	12/10/03	14:20	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
1334486	1/31/04	23:33	49	West	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Proceeding Straight	Unsafe Speed	0	0
1334485	2/2/04	02:00	57	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	West	Stopped in Road	Driving Under Influence	0	0
1334508	2/9/04	03:09	0	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	South	Making Left Turn	Driving Under Influence	0	0
1365848	2/10/04	22:49	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
1365919	2/12/04	19:46	49	South	Rear-End	Other Motor Vehicle	North	Slowing/Stopping	North	Stopped in Road	Unsafe Speed	0	0
1334577	2/26/04	16:47	28	West	Rear-End	Other Motor Vehicle	East	Stopped in Road	East	Stopped in Road	Unsafe Speed	0	0
1334552	2/28/04	14:18	0	In Int.	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Improper Turning	0	0
1335886	3/7/04	09:32	0	In Int.	Broadside	Other Motor Vehicle	West	Proceeding Straight	South	Proceeding Straight	Traffic Signals and Signs	1	0
1365915	3/21/04	22:02	42	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	0	0

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Location: Harbor Boulevard / Trask Avenue
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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
1400854	4/9/04	14:55	18	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Unsafe Speed	0	0
1617383	8/24/04	12:42	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
1618553	8/27/04	15:24	20	East	Not Stated	Other Motor Vehicle	East	Proceeding Straight	East	Proceeding Straight	Auto R/W Violation	2	0
1757948	10/21/04	14:00	25	East	Sideswipe	Other Motor Vehicle	East	Making Right Turn	East	Proceeding Straight	Improper Turning	0	0
1757945	10/26/04	02:20	0	In Int.	Rear-End	Other Motor Vehicle	Not Stated	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
1808663	12/25/04	01:09	30	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	0	0
1848759	2/1/05	11:30	0	In Int.	Rear-End	Other Motor Vehicle	North	Slowing/Stopping	North	Stopped in Road	Unsafe Speed	2	0
1913245	2/27/05	15:23	0	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	4	0
1968388	3/17/05	11:22	60	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
1968380	3/20/05	12:20	15	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Backing	Unknown	0	0
2091465	6/4/05	19:55	150	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Other	0	0
2103579	6/28/05	03:58	0	In Int.	Head-On	Fixed Object	South	Making Right Turn	South	Improper Turning	Improper Turning	1	0
2166795	7/22/05	10:34	0	In Int.	Sideswipe	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Improper Passing	0	0
2281292	9/2/05	16:30	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
2242876	9/9/05	10:55	0	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	East	Making Left Turn	Auto R/W Violation	1	0

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Location: Harbor Boulevard / Trask Avenue
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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
2242893	9/12/05	01:50	0	In Int.	Sideswipe	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
2282267	9/18/05	00:39	0	In Int.	Broadside	Other Motor Vehicle	South	Making Left Turn	North	Proceeding Straight	Other	1	0
2337771	11/18/05	11:59	0	In Int.	Broadside	Other Motor Vehicle	South	Making Left Turn	North	Proceeding Straight	Improper Turning	2	0
2374017	11/25/05	12:02	96	North	Rear-End	Other Motor Vehicle	South	Changing Lanes	South	Proceeding Straight	Improper Turning	0	0
2421004	12/12/05	09:40	0	In Int.	Broadside	Other Motor Vehicle	West	Making Right Turn	North	Proceeding Straight	Other	0	0
2484729	2/1/06	19:12	80	North	Hit Object	Non-Collision	North	Making Left Turn	North	Proceeding Straight	Other Than Driver or Ped	0	0
2484648	2/6/06	22:55	116	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
2484163	2/19/06	12:18	28	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Following Too Closely	1	0
2539059	2/23/06	15:21	10	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
2538508	3/6/06	20:32	18	East	Head-On	Fixed Object	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
2546913	3/27/06	07:12	0	In Int.	Hit Object	Fixed Object	West	Making Right Turn	West	Stopped in Road	Improper Turning	0	0
2636369	5/14/06		130	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
2738720	7/20/06	07:25	3	East	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unknown	0	0
2836554	10/3/06	10:32	140	South	Other	Non-Collision	South	Entering Traffic	South	Proceeding Straight	Auto RW Violation	1	0
2884882	10/13/06	15:46	110	East	Sideswipe	Other Motor Vehicle	West	Passing Other Vehicle	West	Stopped in Road	Improper Turning	0	0

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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
2884904	10/18/06	17:05	0	In Int.	Not Stated	Fixed Object	West	Making Left Turn			Unsafe Speed	0	0
2914427	11/27/06	20:04	98	West	Rear-End	Other Motor Vehicle	East	Backing	East	Stopped in Road	Other	0	0
3088385	1/14/07	18:33	75	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	0	0
3074706	2/11/07	10:58	35	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
3064759	3/5/07	14:15	30	South	Sideswipe	Other Motor Vehicle	Not Stated	Merging	South	Proceeding Straight	Unknown	0	0
3120431	3/23/07	16:35	55	North	Sideswipe	Other Motor Vehicle	South	Changing Lanes	South	Proceeding Straight	Unsafe Lane Change	0	0
3120477	3/30/07	12:32	95	North	Sideswipe	Other Motor Vehicle	South	Changing Lanes	South	Proceeding Straight	Unsafe Lane Change	0	0
3156747	4/28/07	20:00	18	East	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Unsafe Speed	0	0
3300066	6/10/07	08:00	10	East	Hit Object	Fixed Object	Not Stated	Proceeding Straight			Unsafe Speed	0	0
3221285	6/11/07	20:45	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unknown	0	0
3300029	6/15/07	00:33	12	South	Sideswipe	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	0	0
3301881	7/18/07	01:55	0	In Int.	Not Stated	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	0	0
3301912	7/26/07	10:47	30	North	Hit Object	Fixed Object	East	Making Right Turn			Improper Turning	0	0
3409162	7/30/07	23:00	10	East	Hit Object	Fixed Object	Not Stated	Other			Improper Turning	0	0
3404832	8/23/07	01:39	99	North	Not Stated	Other Motor Vehicle	South	Proceeding Straight	Not Stated	Stopped in Road	Driving Under Influence	0	0

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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
3478452	11/23/07	03:33	25	South	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Stopped in Road	Unsafe Speed	1	0
3651608	3/18/08	14:49	0	In Int.	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
3706297	4/25/08	13:51	42	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
3738160	5/16/08	19:30	0	In Int.	Sideswipe	Other Motor Vehicle	Not Stated	Other Unsafe Turning	West	Slowing/Stopping	Unknown	0	0
3764590	5/27/08	16:00	60	South	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Stopped in Road	Unsafe Speed	1	0
3905723	7/9/08	15:57	150	North	Sideswipe	Other Motor Vehicle	South	Changing Lanes	South	Proceeding Straight	Unsafe Lane Change	0	0
3905757	7/20/08	21:27	81	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	4	0
3942292	10/10/08	19:35	0	In Int.	Rear-End	Other Motor Vehicle	West	Slowing/Stopping	West	Stopped in Road	Unsafe Speed	0	0
3942276	10/11/08	02:30	30	South	Not Stated	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Following Too Closely	0	0
4053915	12/21/08	23:59	0	In Int.	Not Stated	Fixed Object	East	Proceeding Straight	East		Driving Under Influence	0	0
4053859	12/25/08	18:39	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
4082752	1/17/09	12:24	45	South	Rear-End	Other Motor Vehicle	North	Slowing/Stopping	North	Stopped in Road	Unsafe Speed	2	0
4218435	4/23/09	17:50	0	In Int.	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
4370232	8/24/09	21:45	0	In Int.	Rear-End	Other Motor Vehicle	Not Stated	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
4445762	10/15/09	02:45	0	In Int.	Hit Object	Fixed Object	Not Stated	Not Stated	Not Stated		Unknown	0	0

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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
4462230	10/17/09	09:56	86	South	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Stopped in Road	Unsafe Speed	0	0
4507639	11/24/09	17:19	80	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
4532687	12/3/09	17:15	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
4579195	1/6/10	08:04	17	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	1	0
4580305	2/10/10	13:29	0	In Int.	Sideswipe	Other Motor Vehicle	West	Slowing/Stopping	North	Proceeding Straight	Other	0	0
4618112	2/24/10	14:49	101	South	Sideswipe	Other Motor Vehicle	North	Changing Lanes	North	Stopped in Road	Unsafe Lane Change	0	0
4626759	3/19/10	06:48	32	North	Rear-End	Other Motor Vehicle	North	Slowing/Stopping	North	Stopped in Road	Unsafe Speed	0	0
4689294	4/17/10	06:27	18	North	Broadside	Other Motor Vehicle	North	Making Right Turn	East	Proceeding Straight	Auto R/W Violation	0	0
4689298	4/18/10	13:39	0	In Int.	Rear-End	Other Motor Vehicle	South	Stopped in Road	South	Proceeding Straight	Unsafe Speed	1	0
4703041	4/27/10	06:52	15	East	Vehicle - Pedestrian	Pedestrian	West	Proceeding Straight	South	Proceeding Straight	Ped R/W Violation	1	0
4700480	5/1/10	21:44	50	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
4816615	7/10/10	18:44	30	East	Sideswipe	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Driving Under Influence	0	0
4853182	8/7/10	18:44	41	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Other	0	0
4862429	8/14/10	22:29	75	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	0	0
4893326	9/29/10	06:25	7	South	Sideswipe	Other Motor Vehicle	East	Making Right Turn	North	Stopped in Road	Improper Turning	1	0

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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
4932213	11/3/10	07:39	53	South	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
4979243	11/19/10	23:34	0	In Int.	Broadside	Other Motor Vehicle	East	Making Right Turn	East	Making Left Turn	Auto R/W Violation	0	0
4988537	12/5/10	21:12	3	West	Broadside	Other Motor Vehicle	North	Proceeding Straight	East	Making Left Turn	Driving Under Influence	2	0
5043650	1/24/11	03:45	0	In Int.	Sideswipe	Other Motor Vehicle	North	Proceeding Straight	West	Making Left Turn	Traffic Signals and Signs	0	0
5042976	1/28/11	16:10	0	In Int.	Sideswipe	Other Motor Vehicle	West	Making Right Turn	West	Proceeding Straight	Auto R/W Violation	0	0
5087880	2/10/11	07:28	20	North	Sideswipe	Other Motor Vehicle	East	Making Left Turn	East	Proceeding Straight	Unsafe Lane Change	0	0
5562613	3/22/11	17:10	0	In Int.	Vehicle - Pedestrian	Bicycle	South	Making Right Turn	West	Proceeding Straight	Wrong Side of Road	0	0
5108077	3/23/11	18:15	18	South	Not Stated	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
5188703	5/14/11	13:09	28	North	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Stopped in Road	Unsafe Speed	1	0
5188727	5/15/11	02:00	40	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Driving Under Influence	2	0
5200474	6/20/11	18:39	46	North	Rear-End	Other Motor Vehicle	South	Slowing/Stopping	South	Stopped in Road	Unsafe Speed	0	0
5221975	6/24/11	13:44	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
5246745	6/29/11	07:50	70	North	Broadside	Bicycle	South	Proceeding Straight	West	Making Right Turn	Wrong Side of Road	1	0
5248722	7/28/11	07:40	0	In Int.	Sideswipe	Other Motor Vehicle	East	Making Left Turn	East	Making Left Turn	Improper Turning	0	0
5261563	7/29/11	23:05	42	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0

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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
5268798	8/2/11	16:25	28	North	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Proceeding Straight	Unsafe Speed	0	0
5276885	8/27/11	08:35	136	West	Sideswipe	Other Motor Vehicle	East	Stopped in Road	East	Stopped in Road	Traffic Signals and Signs	0	0
5356312	9/8/11	21:00	30	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Driving Under Influence	0	0
5364804	10/3/11	09:29	0	In Int.	Sideswipe	Bicycle	South	Proceeding Straight	West	Making Right Turn	Wrong Side of Road	1	0
5358921	10/10/11	06:05	17	Not Stated	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Unsafe Speed	0	0
5366862	10/22/11	07:45	0	In Int.	Hit Object	Fixed Object	East	Making Left Turn			Improper Turning	0	0
5368727	10/25/11	08:00	0	In Int.	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Unsafe Lane Change	0	0
5368769	10/29/11	08:22	120	South	Broadside	Bicycle	East	Entering Traffic	North	Proceeding Straight	Wrong Side of Road	1	0
5434614	12/8/11	17:56	23	North	Broadside	Other Motor Vehicle	North	Making Right Turn	North	Proceeding Straight	Improper Turning	0	0
5453227	12/16/11	22:35	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	2	0
5493295	1/9/12	14:24	35	West	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Unsafe Speed	0	0
5499653	1/12/12	07:42	20	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
5525566	2/10/12	00:43	50	South	Broadside	Other Motor Vehicle	South	Making Right Turn	South	Proceeding Straight	Driving Under Influence	0	0
5625870	5/18/12	00:23	0	In Int.	Not Stated	Other Motor Vehicle	East	Proceeding Straight	South	Proceeding Straight	Driving Under Influence	1	0
5685669	6/15/12	14:00	0	In Int.	Sideswipe	Other Motor Vehicle	East	Making Right Turn	North	Proceeding Straight	Improper Turning	0	0

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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
5737110	6/15/12	16:12	32	South	Sideswipe	Other Motor Vehicle	North	Making Right Turn	North	Proceeding Straight	Improper Turning	0	0
5677843	7/1/12	07:54	0	In Int.	Broadside	Other Motor Vehicle	East	Making Right Turn	South	Proceeding Straight	Auto R/W Violation	0	0
5753318	7/19/12	10:41	60	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
5758017	8/7/12	14:59	0	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Unsafe Speed	1	0
5797808	8/27/12	14:48	0	In Int.	Vehicle - Pedestrian	Pedestrian	East	Making Right Turn	West	Other	Ped R/W Violation	1	0
5823246	9/10/12	13:57	0	In Int.	Sideswipe	Other Motor Vehicle	North	Proceeding Straight	North	Making Right Turn	Improper Turning	0	0
5839799	10/6/12	13:10	146	South	Sideswipe	Other Motor Vehicle	North	Changing Lanes	North	Proceeding Straight	Unsafe Lane Change	1	0
5944091	12/10/12	03:52	0	In Int.	Broadside	Other Motor Vehicle	East	Not Stated	South	Proceeding Straight	Driving Under Influence	3	0
5923510	12/24/12	19:32	3	West	Sideswipe	Bicycle	West	Proceeding Straight	North	Making Right Turn	Wrong Side of Road	1	0
6221806	9/7/13	00:24	27	South	Broadside	Other Motor Vehicle	West	Proceeding Straight	North	Proceeding Straight	Traffic Signals and Signs	1	0
6288409	11/16/13	11:45	0	In Int.	Broadside	Bicycle	West	Making Right Turn	South	Proceeding Straight	Wrong Side of Road	1	0
6380282	2/11/14	05:04	0	In Int.	Head-On	Fixed Object	East	Proceeding Straight			Unsafe Speed	0	0
6421579	3/15/14	17:22	25	North	Rear-End	Other Motor Vehicle	South	Stopped in Road	South	Proceeding Straight	Following Too Closely	0	0
6479713	4/23/14	10:25	42	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
6547601	7/11/14	23:26	10	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Driving Under Influence	0	0

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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
6577184	7/23/14	09:38	100	South	Sideswipe	Other Motor Vehicle	North	Changing Lanes	North	Proceeding Straight	Unsafe Lane Change	0	0
6613085	8/27/14	09:50	0	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	East	Proceeding Straight	Traffic Signals and Signs	1	0
6638002	9/5/14	07:56	0	In Int.	Broadside	Other Motor Vehicle	West	Making Left Turn	South	Proceeding Straight	Auto R/W Violation	0	0
6689744	10/28/14	15:03	100	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
6807903	12/8/14	16:58	15	West	Not Stated	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Following Too Closely	0	0

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Location: Harbor Boulevard / Trask Avenue
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Report No.	Date	Time	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Direct. of Travel 1	Movement Prec. Coll. 1	Direct. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil
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Total Number of Collisions: 185

Settings Used For Query

<u>Parameter</u>	<u>Setting</u>
Street Name	HARBOR BOULEVARD
Cross Street	TRASK AVENUE
Starting Date	2/20/2001
Ending Date	12/31/2014
Intersection	Intersection Related

Analysis of the Red Light Camera Program in Garden Grove, CA

By Jay Beeber, Executive Director, Safer Streets L.A., Member ITE

The following report is a detailed discussion of the Red Light Camera (RLC) Program in Garden Grove, California. This report provides independently collected data as well as offering commentary on the Staff Report dated August 25, 2015.

Background

Safer Streets L.A. is a grassroots organization dedicated to furthering the interests of the motoring public through the adoption of scientifically sound and sensible transportation and traffic laws. We believe that accurate information and critical thinking are crucial to implementing sound public policy. Towards that end, we strive to provide the public and elected representatives with well researched and verifiable data. Our goal is to counter misconceptions and misinformation with solid facts in order to promote scientifically based solutions to motorist and pedestrian safety issues. Safer Streets L.A. provides this information on a voluntary basis and is not paid to interact with elected officials.

Our goal in forwarding you the following information is to provide you with additional data on the use of photo enforcement in Garden Grove, California. We hope that this information proves useful in your deliberations as to whether or not to continue the red light camera program.

About the Author

Jay Beeber is the Executive Director of Safer Streets L.A. and a research fellow with the Reason Foundation concentrating on traffic safety and enforcement. He also serves on the City of Los Angeles' Pedestrian Advisory Committee and has written numerous scientific studies on traffic related safety issues. Most recently, he served on the subcommittee of the California Traffic Control Devices Committee (CTCDC) which recommended changes to State standards and guidance for yellow light timing. These recommendations have since been incorporated into the latest version of the California MUTCD released in November 2014.

Introduction

Included in this report is an analysis of Red Light Related (RLR) collisions in the City of Garden Grove. Accident statistics were compiled from the California Highway Patrol's Statewide Integrated Traffic Records System (SWITRS) database. The SWITRS database serves as a means to collect and process data gathered from collision scenes by multiple police agencies throughout the state. Cities are required to provide this information for all injury and fatality collisions occurring within their jurisdictions. In addition, most cities provide information for property damage only (PDO) collisions as well.

A review of the collision data supplied by the City of Garden Grove shows the inclusion of PDO collisions along with injury and fatality collisions. It is therefore reasonable to assume that the SWITRS database provides the best and most comprehensive data on traffic collisions occurring in the city.

Collision Analysis

Safer Streets L.A. conducted an analysis of Red Light Related (RLR) collisions and rear end collisions occurring at the eight intersections with red light camera enforcement in Garden Grove. Accident statistics were compiled beginning in 2001 (the earliest date available) from the SWITRS database through 2014, the most recent complete year for which data is available. The fourteen years of available data is sufficient to draw valid conclusions as to whether or not red light cameras improved safety at those locations.

Methodology

The most important measure of the effectiveness of a RLC program is whether or not there has been a statistically significant reduction in red light running collisions at intersections where the cameras were installed. Therefore, any analysis of the potential benefit from photo enforcement must focus solely on collisions *caused by* red light running rather than on a particular *type* of collision (e.g. head on, sideswipe, broadside (T-bone), etc.) or on “collisions” in general.

Our analysis of the intersections in Garden Grove, therefore, considers only actual red light running collisions, i.e. collisions where the cause of the accident was a red light violation. In the SWITRS database, these are crashes in which the primary collision factor is listed as a violation of CVC 21453.

Additionally, statistical analysis was performed on the before and after collision history to determine if any differences in the number of collisions between the before and after time periods were statistically significant (i.e. possibly due to the presence of red light cameras) or were instead due to random fluctuations or regression to the mean (not significant). Both a 2-tailed T-Test and Analysis of Variance (ANOVA) calculation was performed on the data.

For our analysis of rear end collisions, we performed a before and after study of rear end collisions concurring within 50 feet of the intersection as these are the collision most likely to be caused by drivers “panic braking” as an over-reaction to the presence of red light cameras.

Statistical Significance

Determining whether changes in collision rates are statistically significant is a crucial step in any analysis of collision data, especially where the actual number of collisions is relatively low, which is the case at Garden Grove intersections. This is because small changes will be magnified giving the appearance of a large percentage change when, in fact, the actual change in the number of collisions is small and due only to random fluctuations or regression to the mean. For example, consider a situation where there are two collisions in year one, and one collision in year two. This might be reported as a 50% reduction in collisions when there has only been a difference in one collision from year to year. This would typically not be a statistically significant change and would likely be due simply to a random fluctuation in collisions from one year to the next.

Statistical significance is reported in p-values. A small p-value (typically ≤ 0.05) indicates that the difference between data sets may be statistically significant and not due to random fluctuation. Conversely, a large p-value (> 0.05) indicates that the difference is likely due to random change and not statistically significant.

Statistical Analysis

In order to determine whether there was a statistically significant change in the number of red light related collisions, we first tabulated the number of collisions that were caused by an at-fault driver running a red light at each red light camera location before and after the cameras were installed. Complete collision data from the SWITRS database is available from 2001 through 2014. Red light cameras were first installed at the intersection of Brookhurst & Westminster in mid-1999. Photo enforcement began at the other seven intersections at various times between late 2003 and mid-2005. Due to the lack of uniformity in start times, it was necessary to analyze each intersection independently. For each, we chose January 2001 through the approximate date of installation as the “before period” and the approximate date of installation through December 2014 as the “after period”.

In order to compare the two unequal time periods, we then calculated the average number of red light related collisions per year for each time period and calculated the percentage change in the average. Finally, we conducted a 2-tailed T-Test and ANOVA test on the raw collision numbers from both time periods to determine if any change in the number of collisions was statistically significant or due to the random fluctuation in collisions which is expected to naturally occur from year to year.

Because collision data prior to January 2001 is not available from the SWITRS database, we were unable to conduct a before and after study at the intersection of Brookhurst & Westminster, however we do provide an analysis of collision trends starting in 2001 for this location.

Collision Severity

Often, when rear end collisions increase in the presence of red light cameras, enforcement supporters claim that this is a reasonable trade-off for a reduction in broadside collisions which are often thought to be more severe. This concept is alluded to on page 2 of the staff report.

In order to determine whether the total severity of injuries increased or decreased in the presence of the cameras where red light running collisions decreased and rear end collisions increased, at the intersections where this occurred, we calculated a “collision severity index” for each collision using the collision severity listed in the SWITRS database. While the SWITRS database assigns higher numbers to less severe collisions and lower numbers to more severe collisions (with the exception of PDO collisions which are assigned a number of 0) it was necessary for us to assign higher numbers to more severe injuries and lower numbers to less severe injuries in order to get the proper weighting. We therefore assigned PDO collisions an index of 1, minor injuries (Complaint of Pain) an index of 2, and so forth up to an index of 5 for fatal collisions.

We then multiplied the number of collisions of each type by its severity index to achieve a separate severity amount for the total red light related and total rear end collisions occurring each year. Finally, we compared the average severity of collisions per year for both types (RLR or Rear end) for the before and after periods and calculated the percent change in the severity of collisions. Comparing the reduction or increase in the severity of injuries caused by red light running vs rear end collisions is one way to account for the possible differences in severity between these two types of collisions.

Broadside Collisions

As noted previously, analyzing broadside collisions does not provide accurate information as to the effect of red light camera enforcement. However, since the staff report relies heavily on this type of analysis, we have include data on broadside collisions at each intersection for comparison purposes.

Results

Brookhurst & Orangewood

Photo enforcement began at this location in July 2005. The before period was designated as January 2001 through June 2005. The after period was designated as July 2005 through December 2014.

The Table below shows the results for the analysis of various collision types occurring at this intersection.

Brookhurst & Orangewood - Enforcement start date July 2005			
Year	RLR Collisions	Rear End 50'	Broadside
2001	1	0	1
2002	1	0	1
2003	1	2	0
2004	0	0	1
Jan – June 2005	0	1	1
July – Dec. 2005	0	1	1
2006	1	2	3
2007	1	1	1
2008	1	1	1
2009	1	1	1
2010	1	1	1
2011	3	0	3
2012	0	0	1
2013	0	2	0
2014	3	2	3
Ave before period	0.67	0.67	0.75
Ave after period	1.16	1.16	1.56
% Change	73.68%	73.68%	107.41%
P-value T-test	0.361	0.268	
P-value ANOVA	0.371	0.278	

The average number of red light related collisions and rear end collisions both **increased** at this location by over 73%. Statistical analysis showed p-values of 0.36 and 0.27 respectively. Neither change was statistically significant at $p < 0.05$.

Further, this location was not experiencing a high level of red light related collisions prior to the installation of red light cameras and was therefore not a good candidate for photo enforcement.

Photo enforcement did not improve safety at this intersection and may have decreased safety due to an increase in rear end collisions.

Valley View & Chapman

Photo enforcement began at this location in April 2005. The before period was designated as January 2001 through March 2005. The after period was designated as April 2005 through December 2014.

The Table below shows the results for the analysis of various collision types occurring at this intersection.

Valley View & Chapman - Enforcement start date April 2005			
Year	RLR Collisions	Rear End 50'	Broadside
2001	1	0	2
2002	0	1	2
2003	0	0	3
2004	0	0	1
Jan -March 2005	0	0	1
April - Dec. 2005	1	4	4
2006	0	3	1
2007	2	4	3
2008	1	0	2
2009	0	1	1
2010	0	1	1
2011	0	1	1
2012	0	1	3
2013	0	3	2
2014	0	2	2
Ave before period	0.24	0.24	2.00
Ave after period	0.41	2.05	1.91
% Change	74.36%	771.79%	-4.55%
P-value T-test	0.574	0.036	
P-value ANOVA	0.669	0.031	

The average number of red light related collisions increased **increased** at this location by over 74%. In addition, the average number of rear end collisions **increased** at this location by over 771%.

Statistical analysis showed a p-value of 0.574 for the RLR collision increase which was not statistically significant. However, the 771% increase in rear end collisions was a statistically significant change.

Further, this location had only one red light related collision in 2001 prior to the installation of cameras and was therefore not a good candidate for photo enforcement.

Photo enforcement did not improve safety at this intersection and may have decreased safety due to a substantial increase in rear end collisions.

Brookhurst & Chapman

Photo enforcement began at this location in January 2014. The before period was designated as January 2001 through December 2003. The after period was designated as January 2004 through December 2014.

The Table below shows the results for the analysis of various collision types occurring at this intersection.

Brookhurst & Chapman - Enforcement start date Jan 2004						
Year	RLR Collisions	Rear End 50'	Broadside	RLR Collisions Severity Index	Rear End Severity Index	
2001	1	2	2	3	3	
2002	4	3	5	6	4	
2003	3	4	4	7	5	
2004	5	9	6	6	17	
2005	3	8	5	4	14	
2006	5	8	3	8	10	
2007	0	7	0	0	11	
2008	1	2	3	2	2	
2009	0	5	3	0	5	
2010	2	3	3	6	5	
2011	2	2	5	3	3	
2012	2	5	7	8	5	
2013	1	1	1	1	2	
2014	0	2	4	0	4	
Ave before period	2.67	3.00	3.67	5.33	4.00	
Ave after period	1.91	4.73	3.64	3.45	7.09	
% Change	-28.41%	57.58%	-0.83%	-35.23%	77.27%	
P-value T-test	0.523	0.342				
P-value ANOVA	0.522	0.320				

There was a non-statistically significant decrease in the average number of red light related collisions and a **57% increase in rear end collisions**. In a comparison of the trade-off of red light related collisions for increased rear end collisions, the data shows that **overall, injuries increased** at this location.

Photo enforcement did not improve safety at this intersection and may have decreased safety due to an increase in rear end collisions and injury severity.

Trask & Magnolia

Photo enforcement began at this location in January 2014. The before period was designated as January 2001 through December 2003. The after period was designated as January 2004 through December 2014.

The Table below shows the results for the analysis of various collision types occurring at this intersection.

Trask & Magnolia - Enforcement start date Jan 2004					
Year	RLR Collisions	Rear End 50'	Broadside	RLR Collisions Severity Index	Rear End Severity Index
2001	2	0	2	4	0
2002	4	0	6	6	0
2003	3	3	4	5	4
2004	4	8	4	8	10
2005	0	0	2	0	0
2006	1	1	2	2	1
2007	0	7	0	0	8
2008	2	2	2	2	3
2009	0	3	2	0	3
2010	1	3	2	2	3
2011	2	2	3	2	2
2012	3	1	2	6	3
2013	0	3	1	0	3
2014	2	2	0	2	2
Ave before period	3.00	1.00	4.00	5.00	1.33
Ave after period	1.36	2.91	1.82	2.18	3.45
% Change	-54.55%	190.91%	-54.55%	-56.36%	159.09%
P-value T-test	0.079	0.238			
P-value ANOVA	0.079	0.238			

There was a non-statistically significant decrease in the average number of red light related collisions and a **191% increase in rear end collisions**. In a comparison of the trade-off of red light related collisions for increased rear end collisions, the data shows that **overall, injuries increased** at this location.

Photo enforcement did not improve safety at this intersection and may have decreased safety due to an increase in rear end collisions and injury severity.

Valley View & Lampson

Photo enforcement began at this location in October 2014. The before period was designated as January 2001 through September 2004. The after period was designated as October 2004 through December 2014.

The Table below shows the results for the analysis of various collision types occurring at this intersection.

Valley View & Lampson - Enforcement start date Oct 2004					
Year	RLR Collisions	Rear End 50'	Broadside	RLR Collisions Severity Index	Rear End Severity Index
2001	1	0	14	3	0
2002	0	2	4	0	3
2003	1	2	3	1	2
Jan - Sept 2004	1	1	2	3	1
Oct. - Dec. 2004	0	0	0	0	0
2005	0	0	0	0	0
2006	0	2	2	0	4
2007	0	4	3	0	7
2008	1	1	4	3	2
2009	2	1	4	3	1
2010	1	1	2	1	2
2011	0	1	3	0	1
2012	0	1	5	0	2
2013	0	2	3	0	4
2014	1	3	4	2	4
Ave before period	0.80	1.33	6.13	1.87	1.60
Ave after period	0.57	1.83	3.43	1.03	3.09
% Change	-28.57%	37.14%	-44.10%	-44.90%	92.86%
P-value T-test	0.450	0.767			
P-value ANOVA	0.568	0.466			

There was a non-statistically significant decrease in the average number of red light related collisions and a **31% increase in rear end collisions**. In a comparison of the trade-off of red light related collisions for increased rear end collisions, the data shows that **overall, injuries increased** at this location.

Further, this location was not experiencing a high level of red light related collisions prior to the installation of red light cameras and was therefore not a good candidate for photo enforcement.

Photo enforcement did not improve safety at this intersection and may have decreased safety due to an increase in rear end collisions and injury severity.

Brookhurst & Trask

Photo enforcement began at this location in January 2014. The before period was designated as January 2001 through December 2003. The after period was designated as January 2004 through December 2014.

The Table below shows the results for the analysis of various collision types occurring at this intersection.

Brookhurst & Trask - Enforcement start date Jan 2004					
Year	RLR Collisions	Rear End 50'	Broadside	RLR Collisions Severity Index	Rear End Severity Index
2001	1	2	2	3	2
2002	4	0	6	7	0
2003	1	3	2	1	5
2004	1	3	2	1	3
2005	4	7	2	8	9
2006	3	8	5	4	11
2007	0	8	4	0	10
2008	1	8	1	2	11
2009	0	5	1	0	5
2010	0	4	1	0	5
2011	2	1	1	4	1
2012	1	4	2	2	5
2013	1	2	3	2	3
2014	2	2	4	3	2
Ave before period	2.00	1.67	3.33	3.67	2.33
Ave after period	1.36	4.73	2.36	2.36	5.91
% Change	-31.82%	183.64%	-29.09%	-35.54%	153.25%
P-value T-test	0.490	0.084			
P-value ANOVA	0.487	0.084			

There was a non-statistically significant decrease in the average number of red light related collisions and a **184% increase in rear end collisions**. In a comparison of the trade-off of red light related collisions for increased rear end collisions, the data shows that **overall, injuries increased** at this location.

Photo enforcement did not improve safety at this intersection and may have decreased safety due to an increase in rear end collisions and injury severity.

Harbor & Trask

Photo enforcement began at this location in February 2014. The before period was designated as January 2001 through January 2004. The after period was designated as February 2004 through December 2014.

The Table below shows the results for the analysis of various collision types occurring at this intersection.

Harbor & Trask - Enforcement start date Feb 2004			
Year	RLR Collisions	Rear End 50'	Broadside
2001	3	2	4
2002	3	4	6
2003	2	11	1
2004	1	9	4
2005	0	4	4
2006	0	3	1
2007	0	4	0
2008	0	4	0
2009	0	4	0
2010	0	5	3
2011	3	9	4
2012	1	2	6
2013	1	2	3
2014	2	3	3
Ave before period	2.67	5.67	3.67
Ave after period	0.73	4.45	2.55
% Change	-72.73%	-21.39%	-30.58%
P-value T-test	0.009	0.537	
P-value ANOVA	0.009	0.535	

The average number of red light related collisions decreased at this location. The change was deemed to be statistically significant at $p < 0.05$. Note that this does not mean that the change was *caused* by the presence of red light cameras as numerous factors can affect the number of collisions including changes in signal timing, implementation of other engineering countermeasures, changes in traffic patterns, etc. As this was the only location where a statistically significant change in red light running collisions occurred, official may wish to investigate further as to the reasons for the decrease rather than simply making the assumption that it was due to the implementation of photo enforcement.

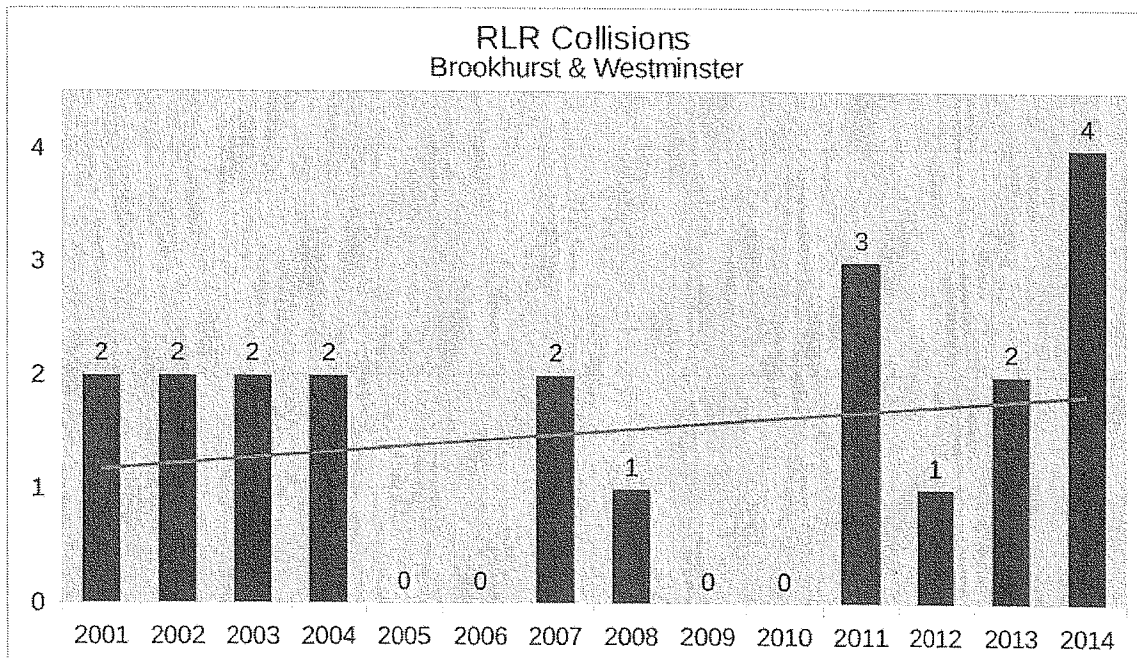
Brookhurst & Westminster

Red light cameras were first installed at this location in July 1999. According to city staff, the cameras were continually present at this intersection since that time but may not have been issuing tickets during the first years of the program. Since it was not possible to determine a start date for enforcement at this intersection and since the SWITRS database does not provide data prior to January 2001, we were unable to perform a before and after collision analysis at this location.

However, for comparison purposes we compiled the data for collisions starting in 2001. The Table below shows the raw numbers of collisions occurring at this location for the full 14 year period.

Brookhurst & Westminster - Installation date July 1999			
Year	RLR Collisions	Rear End 50'	Broadside
2001	2	11	11
2002	2	17	8
2003	2	5	10
2004	2	8	12
2005	0	6	3
2006	0	6	7
2007	2	4	9
2008	1	5	0
2009	0	6	6
2010	0	5	4
2011	3	2	7
2012	1	2	7
2013	2	6	8
2014	4	4	4

In addition, we graphed the trends in the number of red light related collisions for the full 14 year period.



As can be seen from the above chart, red light related collisions are trending upwards at this location. It is therefore unlikely that the cameras are improving safety or changing driver behavior after more than two decades of use.

Summary of Results

Rear end collisions increased at almost every red light camera enforced intersection in the city of Garden Grove after photo enforcement was implemented. The following increases in rear end collisions were found: 37.14%, 57.58%, 73.68%, 183.64%, 190.91%, and 771.79%. Further, the increase in rear end collisions represented an actual increase in injuries, even when compared to decreases in red light running collisions.

For red light running collisions, with one exception, collisions at photo enforced intersections either increased or the decrease was not statistically significant.

The results of this study show that with regards to determining the impact of red light cameras on safety, it is critical that the analysis look at collisions caused by red light running rather than the more general category of "broadside collisions" which may have no relationship to actual red light violations.

Further, our analysis shows that a trade-off between an increase rear end collision and a decrease in red light related collision is likely not good public policy as collision severity may increase overall. The following table shows that in Garden Grove there was a non-statistically significant 37% decrease in red light related collisions and a 61% increase in rear end collisions. This likely represents an overall decrease in safety on the city's roadways.

All RLC Intersections		
	RLR Collisions	Rear End 50'
Total Ave before period	12.04	13.57
Total Ave after period	7.50	21.86
% Change	-37.66%	61.08%

Violation and Citation Issuance

The staff report states: "In January of this year, the yellow light signal phase was adjusted upward and each RCLP intersection had an increase of 0.5 seconds." According to citation data available at <http://highwayrobbery.net/redlightcamsdocsGardenGroveMain.html>, this increase in the yellow interval resulted in an immediate 61% decrease in red light running violations. Some locations saw as much as a 90%+ decrease.

Month	Violations
Jun14	1744
Jul14	1802
Aug14	2106
Sep14	2094
Oct14	2044
Nov14	1883
Dec14	1314
Jan15	644
Feb15	625
Mar15	724
Apr15	694
May15	762
Jul15	865
Ave June '14 – Dec '14	1,855.29
Ave Jan '15 – Jul '15	719
% Change	-61.25%

This decrease in violations is significantly greater than anything achieved during the 10+ years of ticketing at red light camera locations and mirrors the kinds of reductions we have seen in other cities when they have increased their yellow signal timing.

Unfortunately, Garden Grove is still issuing large numbers of tickets at the intersection of Trask and Harbor, mostly for right turn on red and left turn violations. Throughout the life of the program, Garden Grove has issued the majority of tickets at this location. Due to the heavy reliance on right turn tickets at this intersection, the city ranks 11th in the entire state of California for the number of tickets issued for slow rolling right turns.

While some may argue that these violations pose a hazard to other roadway users, especially pedestrians and bicyclists, the data does not bear this out. Our study of right turn on red collisions in the City of Los Angeles showed that the chance that a rolling right turn might result in a collision was 1 in 345,000. Further, in the rare case when such a collision did occur, it was mostly minor, resulted in property damage only, and did not involve pedestrians or bicyclists.

The collision data in Garden Grove provides similar statistics. Although the city has issued upwards of 10,000 tickets at the one intersection approach of Trask eastbound at Harbor, no collision has resulted from a rolling right turn on red at this location either before or after the cameras were installed. This is strong evidence that despite the fact that drivers make this maneuver frequently, it generally does not result in danger to other roadway users.

Comments on Videos to be Shown During the Council Presentation

From the staff report, it appears that staff will show three videos captured by the red light cameras in Garden Grove.

Video 1: The camera captured a northbound vehicle running the red light, causing a collision.

Comment: This actually shows that the cameras do not prevent these collisions from occurring. Red light violations that result in the most serious collisions are due to the motorist being unaware of the red light due to impairment, distraction, fatigue, etc., not a driver trying to beat the light. If a driver is unaware that the light is red and enters the intersection late into the red interval (usually 2 seconds or more), then the presence of enforcement cameras will have no effect on preventing this from occurring. The fact that the red light camera was able to capture this incident, proves the ineffectiveness of this type of enforcement.

Video 3: The camera captured an 80,000 pound tanker truck running a red light.

Comment: The likely reason this tanker truck ran the red light is that heavy vehicles of this type are not accounted for in the yellow signal timing protocols of most jurisdictions. Heavy vehicles need more yellow warning time due to their greater momentum, but many cities set their yellow intervals at the absolute minimums which barely allows enough warning time for passenger vehicles, let alone heavy vehicles such as tanker trucks. Once again, the red light cameras are unable to prevent these vehicles from running the red light as the problem is in the engineering of the signal timing, which does not account for heavier vehicles on our roadways.

Recommendations

There is no urgency in renewing the contract with Redflex at this time and we urge the City Council to either vote to end the program or defer this decision to a later date.

1. If the Council wishes to consider its options, it is likely that Redflex will be amenable to extending the contract for 2 – 3 months to allow for more study of the program.
2. Council should not enter into any longer term agreement until the full effect of required longer yellow intervals has been measured.
3. Council should fully explore the reasons other cities have chosen to end their relationship with Redflex to learn from their example.

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