



*Public Works*  
39550 Liberty Street, P.O. Box 5006, Fremont, CA 94537-5006  
42551 Osgood Road, Fremont, CA 94539 (Maintenance Center)  
www.fremont.gov

December 11, 2015

Caltrans - District 4  
Office of Encroachment Permits  
111 Grand Avenue  
Oakland, CA 94612  
Attn: Mohammad Dastmalchian

***Subject: Automated Red Light Enforcement System on State Right-of-Way***

Dear Mr. Dastmalchian:

This letter is being sent in response to the Policy Directive issued by Caltrans earlier this year requiring ARLE systems on the State Highway System to be in compliance with the latest provisions of the California Vehicle Code. These provisions require that the safety benefits of an ARLE system installed on the State Highway System be determined by a traffic engineering study. The City of Fremont has 2 such ARLE systems located on State Highway 04-Ala-262 Post Miles 0.65 (Mission Blvd. and Mohave Dr.) and 0.82 (Mission Blvd. and Warm Springs Blvd.)

The City of Fremont is currently working with Caltrans to better define the scope of the traffic engineering study for an ARLE system that's been in place for several years already. Once the scope has been defined, the City of Fremont will hire a consultant to perform the study and submit it to Caltrans with an encroachment permit application. We request that the deadline for submitting the study and encroachment permit application be extended to May 1<sup>st</sup>, 2016.

If you have any questions or comments, please feel free to contact me.

Sincerely,

Norm Hughes  
Public Works Director  
City of Fremont  
510 494-4748

**DEPARTMENT OF TRANSPORTATION**

111 GRAND AVENUE  
P.O. BOX 23660  
OAKLAND, CA 94623-0660  
PHONE (510) 286-5900  
FAX (510) 286-5903  
TTY 711  
www.dot.ca.gov



*Serious Drought.  
Serious drought.  
Help save water!*

**CITY OF FREMONT****JAN 26 2016**

Public Works Department

January 15, 2015

04-ALA-262  
PM 0.65, 0.82  
0406-NSN1245  
0406-NSN2066

Mr. Norm Hughes  
Public works Director  
City of Fremont  
39550 Liberty Street  
Fremont, CA 94537-5006

Dear Mr. Hughes:

This letter is regarding your written request dated December 11, 2015 to grant time extension for the encroachment permit application submittal deadline of December 1, 2015 to maintain the existing Automated Red Light Enforcement (ARLE) system, on State Highway 04-ALA-262, Post Miles 0.65 and 0.82, in the City Fremont.

Your request has been granted. Please submit an encroachment permit application along with the required traffic study by May 1, 2016.

Please direct all questions and inquiries regarding your applications status to Mohammad Dastmalchian at (510) 286-4416 or email at [mohammad.dastmalchian@dot.ca.gov](mailto:mohammad.dastmalchian@dot.ca.gov). Please use reference permit numbers 0406-NSN1245 and 0406-NSN2066 in all future correspondence.

Sincerely,

Handwritten signature of Ajay Sehgal in blue ink.

AJAY SEHGAL  
District Office Chief  
Office of Encroachment Permits



## MEMORANDUM

**DATE:** April 28, 2016

**TO:** Frans van der Meer, City of Fremont

**FROM:** Josh Pilachowski, PE, DKS Associates  
Derek Cheah, DKS Associates

**SUBJECT:** Automated Red Light Enforcement – Traffic Engineering Study P#16018-000

---

The purpose of this memorandum is to document the findings of a study into the effectiveness of two traffic signals with automated red light enforcement (ARLE) in the City of Fremont, CA on California Department of Transportation (Caltrans)-operated State Highways. Specifically, the study sought to evaluate the effect of the ARLE system on crash rates and the issuance of citations at the two study intersections.

### BACKGROUND INFORMATION

In February 2014, Caltrans issued Traffic Operations Policy Directive TR-0011, Number 14-01, Revision 1, requiring all municipalities that operate one or more ARLE-equipped traffic signal on State Highways to evaluate the safety performance of such ARLE systems once every five years. The Policy Directive directs municipalities to consider the following aspects of safety performance at and near the study intersections equipped with ARLE, as well as at similar intersections in the area without ARLE:

- Collision rates, types, and patterns;
- Citation rates for through movement, left turn, and, where prohibited, right turn on red infractions;
- Site conditions, current signal operation, and driver behavior; and
- Perceptions of parties familiar with the intersection(s) regarding traffic safety.

In 2007, the City of Fremont activated the ARLE system at the intersection of Mission Boulevard and Mohave Drive. The ARLE system at the intersection of Mission Boulevard and Warm Springs Boulevard was activated in 2009. Both of these systems are located on Caltrans owned facilities and are still in operation today.

### STUDY AREA

ARLE is currently operational at two intersections under Caltrans jurisdiction in the City of Fremont: Mission Boulevard and Warm Springs Boulevard, and Mission Boulevard and Mohave Drive as shown in **Figure 1**. The former is equipped with ARLE for the eastbound through and left turn movements and all northbound movements, while the latter is equipped with ARLE for all westbound movements. Within the study area, the following roadway facilities are of note:



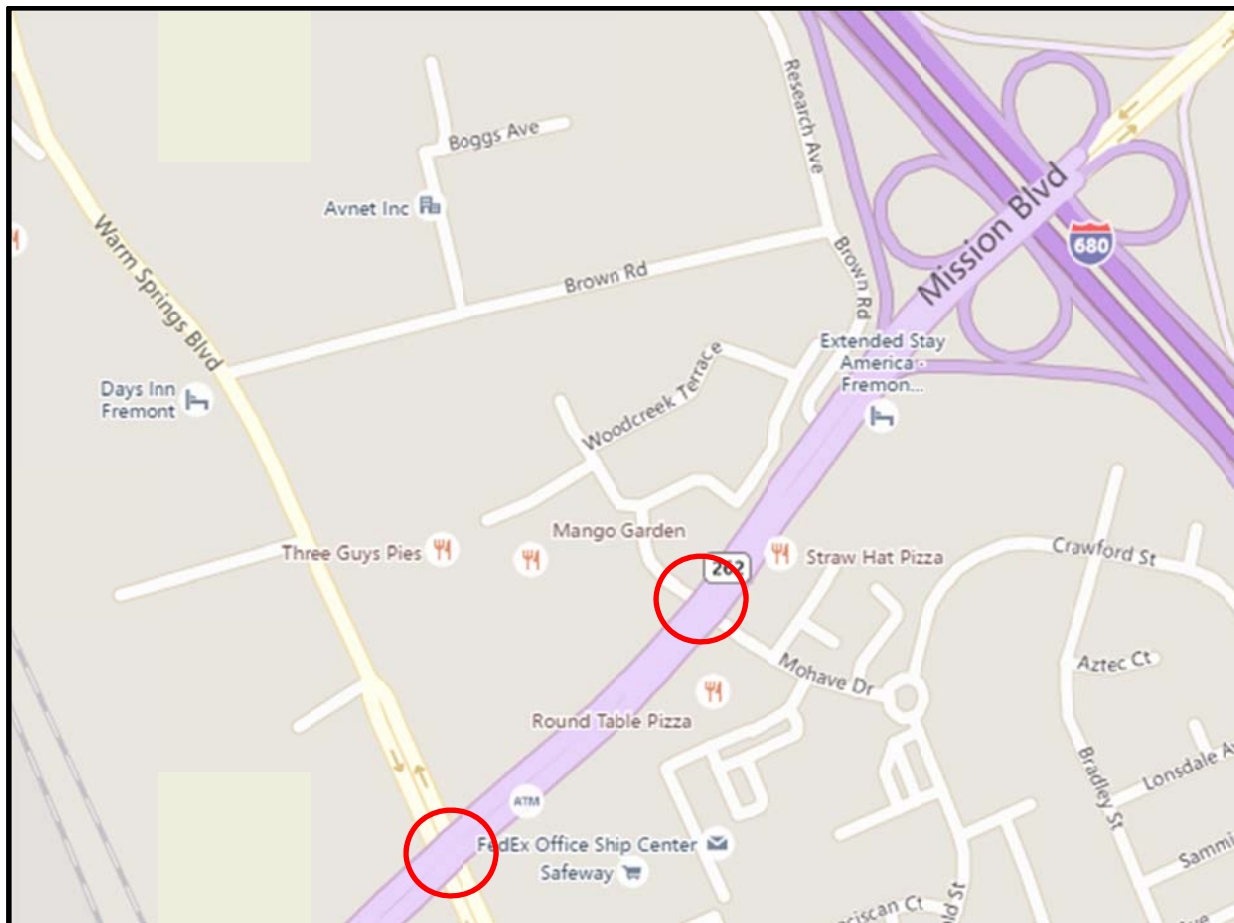
Mission Boulevard: the portion of Mission Boulevard under Caltrans jurisdiction (SR 262) is an approximately one-mile long facility that serves as the primary connection between Interstates 880 and 680 (I-880 and I-680, respectively) in the South Bay. It varies in classification between a four-lane, grade-separated freeway at its western end up to the interchange with I-880, and a six-lane, surface-level arterial at its eastern end by the interchange with I-680, as well as beyond the portion that is signed as a State Highway. The posted speed limit is 45 miles per hour (mph). The two ARLE-equipped intersections, Warm Springs Boulevard and Mohave Drive, are the two major four-way at-grade intersections along the facility. At the former, both Mission Boulevard approaches feature dual left turn lanes, three through lanes, and a separate slip lane for right turns; at the latter, the eastbound approach has a single left turn lane, three through lanes, a bicycle lane, and a right turn lane, while the westbound approach has a single left turn lane, two through lanes, a through-right lane, and a curbside bicycle lane. Other parallel facilities that travel between I-880 and I-680 include Auto Mall Parkway to the north, and Warren Avenue and Dixon Landing Road (in Milpitas) to the south.

Warm Springs Boulevard is a primarily four-lane, north-south arterial that travels 3.5 miles between Grimmer Boulevard and Dixon Landing Road, with a posted speed limit of 35 mph. Both the northbound and southbound approaches to the Mission Boulevard intersection are configured with two through lanes, dual left turn lanes, and a right turn lane; the northbound approach also features a bicycle lane between the through and right turn lanes.

Mohave Drive is a smaller, 0.75-mile long street that provides access to the residential neighborhoods and retail establishments north and south of Mission Boulevard. The northbound approach to Mission Boulevard is configured with one through, left turn, and right turn lane each, while the southbound approach features a through-left, left turn, and right turn lane. The posted speed limit on the street is 25 mph.

Interstate 880 travels 45 miles from Oakland to San Jose and serves as the main north-south corridor in the inner East Bay. It is configured with five through lanes in each direction north of the interchange with Mission Boulevard, and six through lanes south of the interchange.

Interstate 680 travels 70 miles between Fairfield in the north and San Jose in the south, connecting the South Bay with the Tri-Valley region of Alameda County and western Contra Costa County. Southbound through the intersection, the roadway is configured with four general purpose travel lanes and one high-occupancy toll (HOT) express lane; northbound, it is configured with three general purpose lanes.



**FIGURE 1: STUDY AREA**

In addition to the two ARLE-equipped study intersections, two similar but non-ARLE-equipped intersections were evaluated for comparison regarding crash rates and citations, in accordance with the Caltrans Policy Directive. These intersections were Mowry Avenue and Argonaut Way, and Auto Mall Parkway and Osgood Road as shown in **Figure 2**. Below are some roadway characteristics of the respective facilities:

Mowry Avenue travels approximately 4.5 miles north-south from Mission Boulevard (here signed as SR 238), through Downtown Fremont to Cherry Street on the south side of I-880. It is configured mostly as a six-lane, surface-level arterial with a posted speed limit of 40 mph. Both approaches to Argonaut Way feature a left turn lane, two through lanes, one through-right lane, and a curbside bicycle lane.

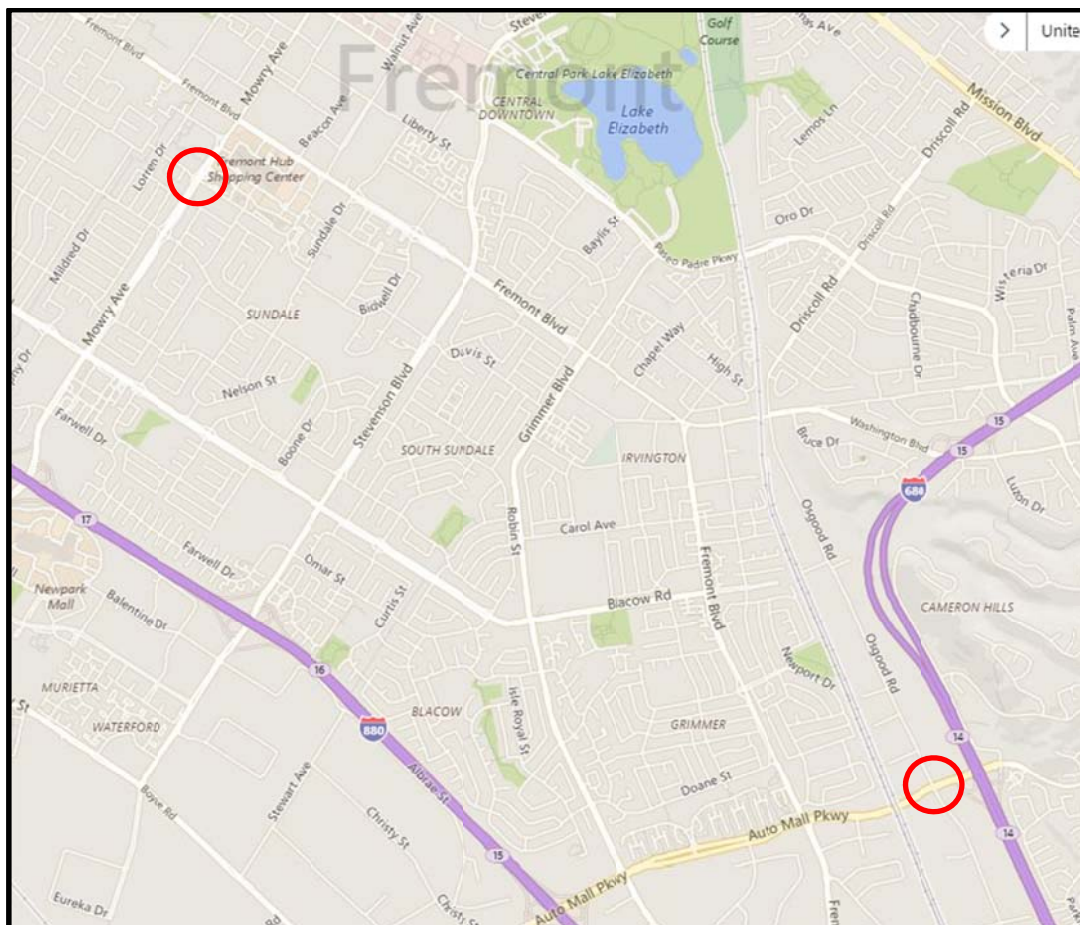
Argonaut Way is a 0.6-mile long collector street that serves the residential neighborhoods surrounding the intersection with Mowry Avenue, as well as the large shopping mall at the northeast corner. The eastbound approach is configured with a through-right and a through-left travel lane, while the westbound approach features a left turn lane, a through-right-left lane, and a curbside bicycle lane.





Auto Mall Parkway travels approximately 2.5 miles from Boyce Road/Cushing Parkway in the west to I-680 in the east, and is configured primarily as a four-lane arterial with a posted 45 mph speed limit. Both approaches to Osgood Road are configured with two left turn and through lanes each; the eastbound approach features a third through-right lane as well.

Osgood Road serves as a 2-mile continuation of Warm Springs Boulevard north of Grimmer Boulevard to Washington Boulevard, with a similar four-lane cross-section and 40 mph speed limit. On the southbound approach to Auto Mall Parkway, there are dual left turn lanes, two through lanes, and one through-right lane. On the northbound approach, from west to east there are dual left turn lanes, two through lanes, a bicycle lane, and dual right turn lanes.



**FIGURE 2: COMPARISON STUDY INTERSECTIONS  
ORIGINAL SIGNAL WARRANT**

The original signal warrant for the intersection of Mission Boulevard and Warm Springs Boulevard is dated July 1984 and shows that the intersection met both the minimum vehicular volume warrant and the interruption of



continuous traffic warrant. Either governing agency (The City of Fremont or Caltrans) were not able to produce a copy of the original signal warrant at the intersection of Mission Boulevard and Mohave Drive. The full warrant worksheet is provided in **Appendix A**.

## SIGNAL TIMING CONFIRMATION

Current signal timing sheets for the two study intersections are included in **Appendix B**.

### Determination of Yellow Change Interval

Observed yellow change intervals for the ARLE-equipped Mission Boulevard approaches (eastbound through and left at Warm Springs Boulevard and all westbound approaches at Mohave Drive) were determined from a video survey of the signal operation, taken during a weekday afternoon site visit. These observed intervals were then compared with the required intervals, as specified by Section 4D.10 and Table 4D-102 in the 2014 edition of the California Manual on Uniform Traffic Control Devices (CaMUTCD). Table 1 summarizes this comparison for the relevant approaches.

**TABLE 1: OBSERVED AND REQUIRED YELLOW CHANGE INTERVALS BY INTERSECTION AND APPROACH FOR THE TWO STUDY INTERSECTIONS**

Intersection and Approach	Mean Yellow Change Interval by Approach (s)		Required Yellow Change Interval for All Approaches (s)
	Left Turn	Through-Right	
Eastbound Mission Boulevard at Warm Springs Boulevard	4.100	5.067	4.3 <sup>1</sup>
Westbound Mission Boulevard at Mohave Drive	4.167	5.100	4.7 <sup>2</sup>

**Source:** DKS Associates (2016), CaMUTCD (2014)

<sup>1</sup> Posted speed limit was the controlling factor in determining the required yellow change interval.

<sup>2</sup> 85<sup>th</sup> percentile speed from Caltrans speed survey was the controlling factor in determining the required yellow change interval.

**Table 1** indicates that the observed yellow change intervals on both through-right approaches satisfy the requirement specified by the California MUTCD. However, both left turn approaches are not in compliance with this requirement: the eastbound Warm Springs Boulevard approach was found to be 0.2 seconds too short on average, while the westbound Mohave Drive approach was just over half a second too short on average.

## COLLISION REVIEW

Volume reports and crash records including data on collision type and severity by intersection were obtained from the City of Fremont Public Works Department for the period from 2004 to 2015. The approach volumes for each study intersection are summarized in Table 2. A comparison of collision numbers and rates within 200 feet of each of the four intersections was conducted for the pre- and post-installation periods. As presented in the following tables, the collisions for each intersection were further broken down into three categories by type, to



better identify the effects of ARLE on specific types of collisions. A summary of collision records are provided in **Appendix C**.

**TABLE 2: APPROACH VOLUMES FOR STUDY INTERSECTIONS**

	Mission Blvd & Warm Springs Blvd	Mission Blvd & Mohave Drive <sup>1</sup>	Mowry Avenue & Argonaut Way	Auto Mall Pkwy & Osgood Rd
2005	114,246	75,722	58,066	61,645
2008	72,947	52,333	57,281	59,004
2010	78,767	56,902	52,852	55,742
2013	87,068	64,811	54,914	54,687
2015	85,197	64,841	44,197	65,159
Pre-ARLE	93,597	75,722	58,066	61,645
Post-ARLE	83,677	59,722	52,311	58,648

Source: City of Fremont (2016)

Note: <sup>1</sup> Volumes along Mohave Drive were not available so only Mission Blvd volumes were summed  
Shaded values denotes ARLE system in operation

**TABLE 3: COLLISION NUMBERS AND ANNUAL RATES FOR THE INTERSECTION OF MISSION BOULEVARD AND WARM SPRINGS BOULEVARD**

Collision Type	2004 – 2009		2009 – 2015	
	Intersection Total	ARLE Approach	Intersection Total	ARLE Approach
Number of Collisions				
Angle or head-on	8	3	7	5
Rear-end	25	7	4	1
Other (including sideswipe, fixed object collision, etc.)	10	3	9	1
<b>Total</b>	<b>43</b>	<b>13</b>	<b>20</b>	<b>7</b>
Collision Rate <sup>1</sup>				
Angle or head-on	17.09	6.41	13.94	9.96
Rear-end	53.42	14.96	7.97	1.99
Other (including sideswipe, fixed object collision, etc.)	21.37	6.41	17.93	1.99
<b>Total</b>	<b>91.88</b>	<b>27.78</b>	<b>39.84</b>	<b>13.94</b>

Source: City of Fremont (2016)

Note: <sup>1</sup> Crash rate is calculated as Collisions per Million ADT per year





**TABLE 4: COLLISION NUMBERS AND ANNUAL RATES FOR THE INTERSECTION OF MISSION BOULEVARD AND MOHAVE DRIVE**

		2004 – 2007		2007 – 2015	
		Intersection Total	ARLE Approach	Intersection Total	ARLE Approach
<b>Number of Collisions</b>	Angle or head-on	2	1	3	3
	Rear-end	5	3	7	4
	Other (including sideswipe, fixed object collision, etc.)	0	0	5	1
	<b>Total</b>	<b>7</b>	<b>4</b>	<b>15</b>	<b>8</b>
<b>Collision Rate<sup>1</sup></b>	Angle or head-on	8.80	4.40	6.28	6.28
	Rear-end	22.01	13.21	14.65	8.37
	Other (including sideswipe, fixed object collision, etc.)	0.00	0.00	10.47	2.09
	<b>Total</b>	<b>30.81</b>	<b>17.61</b>	<b>31.40</b>	<b>16.74</b>

Source: City of Fremont (2016)

Note: <sup>1</sup> Crash rate is calculated as Collisions per Million ADT per year

**TABLE 5: COLLISION NUMBERS AND ANNUAL RATES FOR THE INTERSECTION OF MOWRY AVENUE AND ARGONAUT WAY**

Collision Type		2004 – 2007	2007 – 2015
<b>Number of Collisions</b>	Angle or head-on	3	7
	Rear-end	3	9
	Other (including sideswipe, fixed object collision, etc.)	3	5
	<b>Total</b>	<b>9</b>	<b>21</b>
<b>Collision Rate<sup>1</sup></b>	Angle or head-on	17.22	16.73
	Rear-end	17.22	21.51
	Other (including sideswipe, fixed object collision, etc.)	17.22	11.95
	<b>Total</b>	<b>51.67</b>	<b>50.18</b>

Source: City of Fremont (2016)

Note: <sup>1</sup> Crash rate is calculated as Collisions per Million ADT per year



**TABLE 6: COLLISION NUMBERS AND ANNUAL RATES FOR THE INTERSECTION OF AUTO MALL PARKWAY AND OSGOOD ROAD**

Collision Type		2004 – 2007	2007 – 2015
<b>Number of Collisions</b>	Angle or head-on	5	6
	Rear-end	6	7
	Other (including sideswipe, fixed object collision, etc.)	3	5
	<b>Total</b>	<b>14</b>	<b>18</b>
<b>Collision Rate<sup>1</sup></b>	Angle or head-on	27.04	12.79
	Rear-end	32.44	14.92
	Other (including sideswipe, fixed object collision, etc.)	16.22	10.66
	<b>Total</b>	<b>75.70</b>	<b>38.36</b>

**Source:** City of Fremont (2016)

Note: <sup>1</sup> Crash rate is calculated as Collisions per Million ADT per year

**Table 3** and **Table 4** collectively indicate that ARLE appears to have had a mixed effect on collision rates at both study intersections with a 50% reduction of overall crashes at the Warm Springs Boulevard intersection and a 5% reduction at the Mahave Drive intersection, though a portion of the variation from the pre- to the post-installation period is likely attributable to the small absolute number of collisions at each intersection during both periods. In particular, on both ARLE-equipped approaches there was a 87% decrease in the rate of rear-end collisions but a 55% increase in angle collisions for the Warm Springs Boulevard intersection and a 37% decrease in the rate of rear-end collisions but a 43% increase in angle collisions for the Mohave Drive intersection – which appears to counter the argument that installing ARLE leads to a higher incidence of rear-end collisions while reducing the number of angle collision, perhaps due to drivers slamming on the brakes during the last second of a yellow interval to avoid a citation.

**Table 5** and **Table 6** also show a decrease in total collision rates for all types of crashes, with the exception of rear-end crashes at Mowry Avenue and Argonaut Way, which implies an overall reduction in collisions throughout the City, and therefore raises the possibility any observed reduction in crash rates at the study intersections may partially be due to a reduction in background crashes in general.



## DOCUMENTATION OF SAFETY PERFORMANCE

The Highway Safety Manual, published in 2010 by the American Association of State Highway and Transportation Officials (AASHTO) provides a methodology for determining an expectation of crash reduction at a specific roadway or intersection based on a given safety based improvement. The methodology is based on crash modification factors (CMFs), which represent the ratio of the expected crash rate after the implementation of the safety improvement to the existing observed crash rate. While the Highway Safety Manual does not include any CMFs for automatic red light enforcement, the CMF Clearinghouse<sup>1</sup>, a supplementary resource available online with a wider range and more up to date listing of CMFs, includes CMFs from multiple studies analyzing the effect of Automatic Red Light Enforcement on crash rates. **Table 7** provides ranges of CMFs for relevant studies found in the CMF Clearinghouse.

**TABLE 7: CRASH MODIFICATION FACTORS**

Crash Type	Crash Severity	Area Type	CMF
All	All	All	0.8
All	Fatal	Urban	0.76-0.83
Angle, Left turn	Serious/Minor Injury	Urban	0.84
Rear end	Serious/Minor Injury	Urban	1.24
Angle	All	Urban	0.75-0.84
Rear end	All	Urban	1.15-1.45

**Source:** CMF Clearinghouse, Category: Advanced technology and ITS, Countermeasure: Install red-light cameras

The study results show an expected 16-24% decrease in overall and angle crash rates in urban environments due to the implementation of red-light running cameras at intersections, over different crash severity levels. The studies also show an expected 15-45% increase in rear end crashes over different crash severity levels. These expected results are reversed in the observed crash data, with the rate of angle crashes increasing and the rate of rear end crashes decreasing for both study intersections. For the intersection of Mission Boulevard and Warm Springs Boulevard, the overall crash rate decreased 57% for the entire intersection and 50% for ARLE approaches. The intersection of Mission Boulevard and Mohave Drive however showed a 2% increase in crash rate for the entire intersection but a 5% increase in crash rate for ARLE approaches. The smaller percent change observed at Mission Boulevard and Mohave Drive may potentially be due to a low number of crashes that occurred in the 3 year period before ARLE was installed.

<sup>1</sup> <http://www.cmfclearinghouse.org/>



## CITATION REVIEW

The Fremont Police Department provided citation records for the study intersections from the ARLE system and the years prior to the implementation of ARLE. All violation events are logged into the ARLE system and then data (including video of the event) is reviewed by one of three trained retired Fremont police officer before a citation is issued. Citation totals for the years prior to ARLE implementation are relatively low due to the difficulty of gathering citation records to specific intersections and the deterring effect of having a police officer located at a signal to issue red light running citations. **Table 8** provides a summary of citations issued each year for each of the study and comparison intersections. Years where the ARLE system was active are indicated with colored shading. 2007 at Mission Boulevard and Mohave Drive and 2009 at Mission Boulevard and Warm Springs Boulevard represent partial years since the ARLE was activated within those years and so the values shown in the table do not reflect a full calendar year. A copy of the citation records generated by the ARLE system and broken down by specific movement cited are provided in **Appendix D**.

**TABLE 8: SUMMARY OF RED LIGHT RUNNING CITATIONS BY YEAR**

Year	Mission Blvd & Warm Springs Boulevard	Mission Blvd & Mohave Dr	Auto Mall Pkwy & Osgood Road	Mowry Ave & Argonaut Wy
2004	0	0	0	0
2005	0	0	0	0
2006	0	0	0	0
2007	0	324 <sup>1</sup>	2	3
2008	0	3,283	0	0
2009	442 <sup>1</sup>	2,034	1	1
2010	573	1,771	6	1
2011	537	879	1	2
2012	409	839	4	3
2013	184	700	11	2
2014	351	799	7	2
2015	523	978	4	0

Source: Fremont Police Department (2016)

Note: <sup>1</sup> Denotes partial year

Shaded values denotes ARLE system in operation

## FIELD REVIEW

A site visit was conducted by DKS staff on the afternoon of March 2, 2016 to confirm traffic operations and driver behavior at the two study intersections and surrounding study area. Observed driver behavior suggests that users have a familiarity with the ARLE system as there was neither red light running nor abrupt braking at red lights.



## **INTERVIEW WITH LOCAL OFFICIAL**

DKS conducted a phone interview with Sgt Tony Tassano of the Fremont Police Department to obtain a qualitative perspective of a person familiar with the two study intersections. The officer's findings largely corroborated the quantitative findings on collisions and citations reported above. He primarily noted significant reductions in both collision frequency and severity. Prior to the installation of ARLE, there were several major collisions at both study intersections and along Mission Boulevard corridor in general; similarly large and potentially harmful collisions have not occurred in his recent memory. With regard to citations and overall driver behavior, he pointed out two distinct groups of drivers: aware commuters who frequent the corridor know about the ARLE system and will not attempt to rush through a yellow light, while those who are less familiar with the area or are not paying attention are still receiving citations. These citations are currently processed by three retired police officers, who are responsible for watching video and data feeds from the ARLE cameras and issuing citations as needed.

## **IDENTIFICATION AND EVALUATION OF PREVIOUS COUNTERMEASURES**

According to City of Fremont Staff, other safety features to improve safety and discourage red light violations were not considered prior to the installations of the ARLE systems at either study intersection. To date, the City is satisfied with the operational benefits of the current ARLE system and have not explored other possible countermeasures.



# Appendix A

---

## Signal Warrant Report

## TRAFFIC SIGNAL WARRANTS

04 ALA 262  
DIST CO RTE PM

CALC Ghani  
CHK KOLARID

DATE 4-16-84  
DATE 7-11-84

Major St: MISSION BLVD (RTE 262) Critical Approach Speed \_\_\_\_\_ mph  
 Minor St: WARM SPRING BLVD Critical Approach Speed \_\_\_\_\_ mph

Critical speed of major street traffic 40 mph -----   
 In built up area of isclated community of 10,000 pop. -----  RURAL (R)  
 URBAN (U)

### WARRANT 1 – Minimum Vehicular Volume

APPROACH LANES	MINIMUM REQUIREMENTS (80% SHOWN IN BRACKETS)				100% SATISFIED Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>															
	U		R		80% SATISFIED Yes <input type="checkbox"/> No <input type="checkbox"/>															
	1		2 or more		Hour															
Both Approchs. Major Street	500 (400)	350 (280)	600 (480)	420 (336)	6:30-7:30	7:30-8:30	9-10	12-1	2-3	3-4	4-5	5-6	2212	1786	1462	1079	1543	1780	1878	1984
Highest Approach Minor Street *	150 (120)	105 (84)	200 (160)	140 (112)	9:12	8:59	6:27	9:30	8:52	9:68	10:60	12:47	912	859	627	930	852	968	1060	1247

\* NOTE: Heavier of left turn movement from Major Street included when LT-phasing is proposed

### WARRANT 2 – Interruption of Continuous Traffic

APPROACH LANES	MINIMUM REQUIREMENTS (80% SHOWN IN BRACKETS)				100% SATISFIED Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>															
	U		R		80% SATISFIED Yes <input type="checkbox"/> No <input type="checkbox"/>															
	1		2 or more		Hour															
Both Approchs. Major Street	750 (600)	525 (420)	900 (720)	630 (504)	6:30-7:30	7:30-8:30	9-10	12-1	2-3	3-4	4-5	5-6	2212	1786	1462	1079	1543	1780	1878	1984
Highest Approach Minor Street *	75 (60)	53 (42)	100 (80)	70 (56)	9:12	8:59	62.7	9:30	8:52	9:68	10:60	12:47	912	859	62.7	930	852	968	1060	1247

\* NOTE: Heavier of left turn movement from Major Street included when LT-phasing is proposed

### WARRANT 3 – Minimum Pedestrian Volume

APPROACH LANES	MINIMUM REQUIREMENTS (80% SHOWN IN BRACKETS)				100% SATISFIED Yes <input type="checkbox"/> No <input type="checkbox"/>																
	U		R		80% SATISFIED Yes <input type="checkbox"/> No <input type="checkbox"/>																
	1		2 or more		Hour																
Both Approchs. Major Street	No Median		600 (480)	420 (336)																	
Volume	Raised 4' Median		1000 (800)	700 (560)																	
Ped's On Highest Volume X-Walk Xing Major Street			150 (120)	105 (84)																	

IF MIDBLOCK SIGNAL PROPOSED

MIN. REQUIREMENT	DISTANCE TO NEAREST ESTABLISHED CRWLK.	FULFILLED
150 Feet	N/E _____ ft S/W _____ ft	Yes <input type="checkbox"/> No <input type="checkbox"/>

### WARRANT 4 – School Crossings

Not Applicable   
 See School Crossings Warrant Sheet

## TRAFFIC SIGNAL WARRANTS

### WARRANT 5 – Progressive Movement

Satisfied Yes  No

MINIMUM REQUIREMENTS	DISTANCE TO NEAREST SIGNAL	FULFILLED
1000 ft	N _____, S _____ ft, E _____ ft, W _____ ft	YES <input type="checkbox"/> NO <input type="checkbox"/>
ON ISOLATED ONE WAY ST. OR ST. WITH ONE WAY TRAFFIC SIGN; FICANCE ADJACENT SIGNALS ARE SO FAR APART THAT NECESSARY PLATOONING & SPEED CONTROL WOULD BE LOST		
ON 2-WAY ST. WHERE ADJACENT SIGNALS DO NOT PROVIDE NECESSARY PLATOONING & SPEED CONTROL. PROPOSED SIGNALS COULD CONSTITUTE A PROGRESSIVE SIGNAL SYSTEM		<input type="checkbox"/> <input type="checkbox"/>

### WARRANT 6 – Accident Experience

Satisfied Yes  No

REQUIREMENT	WARRANT	✓	FULFILLED
ONE WARRANT SATISFIED 80%	WARRANT 1 – MINIMUM VEHICULAR VOLUME		YES <input type="checkbox"/> NO <input type="checkbox"/>
	OR WARRANT 2 – INTERRUPTION OF CONTINUOUS TFC		
	OR WARRANT 3 – MINIMUM PEDESTRIAN VOLUME		
SIGNAL WILL NOT SERIOUSLY DISRUPT PROGRESSIVE TRAFFIC FLOW			<input type="checkbox"/> <input type="checkbox"/>
ADEQUATE TRIAL OF LESS RESTRICTIVE REMEDIES HAS FAILED TO REDUCE ACC. FREQ.			<input type="checkbox"/> <input type="checkbox"/>
ACC WITHIN A 12 MON. PERIOD SUSCEPTIBLE OF CORR. & INVOLVING INJURY OR \$200 DAMAGE			
MINIMUM REQUIREMENT	NUMBER OF ACCIDENTS		
5 OR MORE			<input type="checkbox"/> <input type="checkbox"/>

\* NOTE: Left turn accidents can be included when LT-phasing is proposed

### WARRANT 7 – Systems Warrant

Satisfied Yes  No

MINIMUM VOLUME REQUIREMENT	ENTERING VOLUMES – ALL APPROACHES	✓	FULFILLED
800 VEH/HR	DURING TYPICAL WEEKDAY PEAK HOUR _____ VEH/HR		YES <input type="checkbox"/> NO <input type="checkbox"/>
	DURING EACH OF ANY 5 HRS OF A SATURDAY AND/OR SUNDAY _____ VEH/HR		
CHARACTERISTICS OF MAJOR ROUTES			
PART OF HWY SYSTEM SERVING AS PRINCIPLE NETWORK FOR THROUGH TFC		MAJOR ST	MINOR ST
CONNECTS AREAS OF PRINCIPLE TRAFFIC GENERATION			
RURAL OR SUBURBAN HWY OUTSIDE OF, ENTERING, OR TRAVELING A CITY			
HAS SURFACE STREET FWY OR EXPWAY RAMP TERMINALS			
APPEARS AS MAJOR ROUTE ON AN OFFICIAL PLAN			
ANY MAJOR ROUTE CHARACTERISTICS MET, BOTH STS.			<input type="checkbox"/> <input type="checkbox"/>

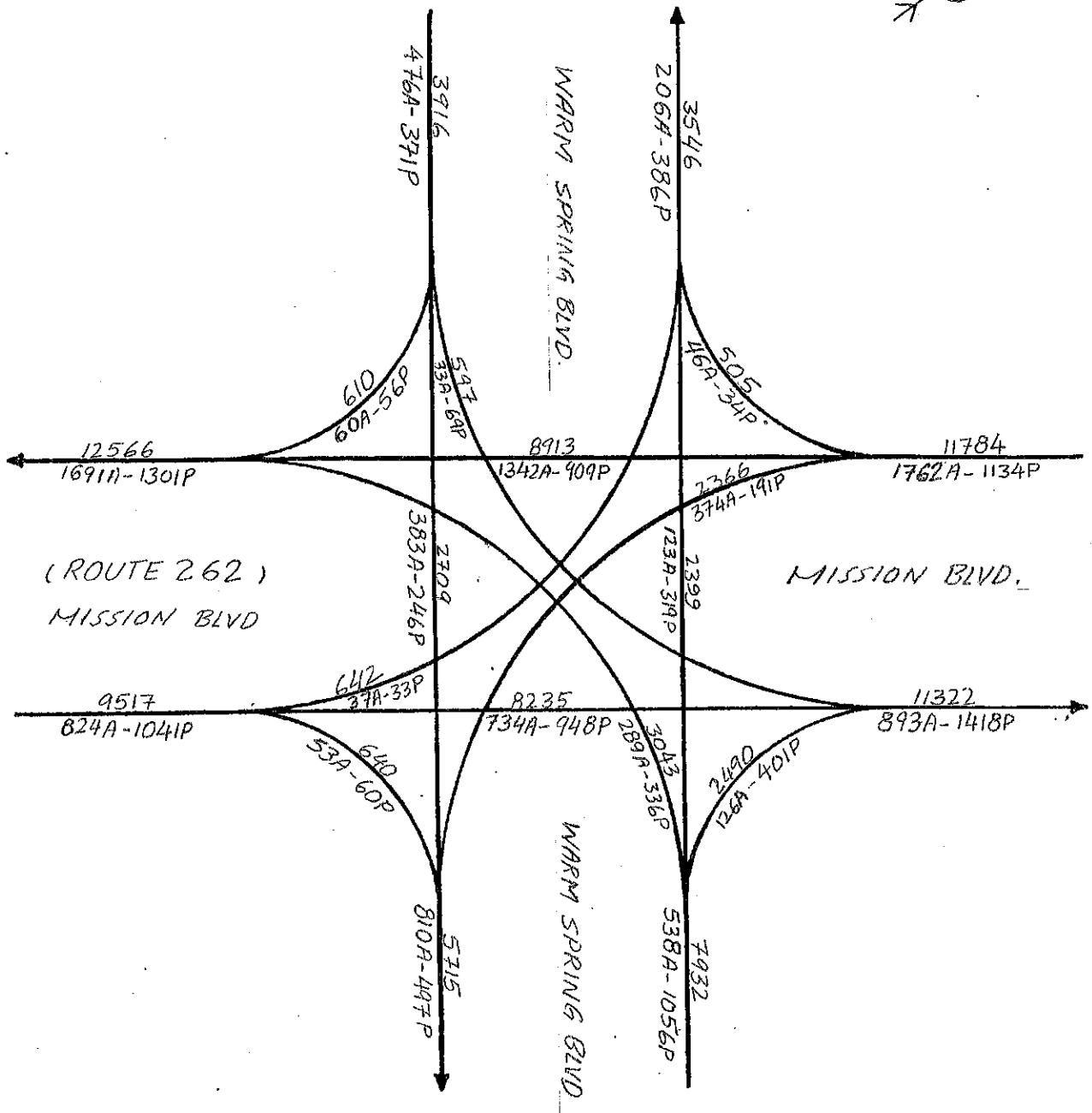
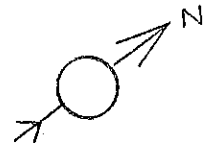
### WARRANT 8 – Combination of Warrants

(Used if no one warrant satisfied 100%)

Satisfied Yes  No

REQUIREMENT	WARRANT	✓	FULFILLED
TWO WARRANTS SATISFIED 80%	1 – MINIMUM VEHICULAR VOLUME		YES <input type="checkbox"/> NO <input type="checkbox"/>
	2 – INTERRUPTION OF CONTINUOUS TRAFFIC		
	3 – MINIMUM PEDESTRIAN VOLUME		

*The satisfaction of a warrant is not necessarily justification for signals. Delay, congestion, confusion or other evidence of the need for right of way assignment must be shown.*



**LEGEND**

	<u>TIME</u>	<u>DATE</u>
000A AM PEAK	6300-7300	4-11-84
000P PM PEAK	1700-1800	4-11-84

PEDESTRIANS

AD ADULTS		
CH CHILDREN		
00AD 00CH AM PK	_____	_____
00AD 00CH PM PK	_____	_____

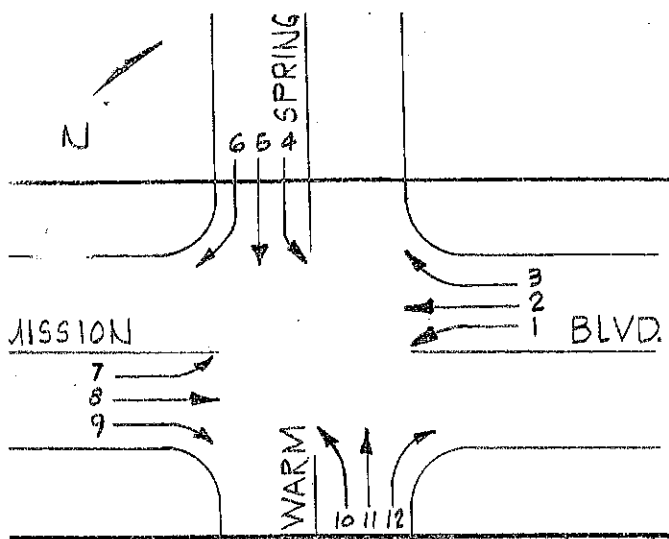
**FLOW DIAGRAM  
INTERSECTION OF**

ROUTE 262 (MISSION BLVD) @  
WARM SPRING BLVD.

PM# RO.70

NO SCALE

04-



# 12 HOUR COUNT FIELD SHEET

ROUTE 262 (MISSION BLVD.) AT WARM SPRINGS BLVD.

CO-RTE ALA-262  
 DATE 4-11-84  
 WEATHER Sunny  
 BY LRC-FDC-SKE-MGS

MOVEMENT	6:30-6:45	6:45-7:00	7:00-7:15	7:15-7:30	7:30-7:45	7:45-8:00	8:00-8:15	8:15-8:30	8:30-8:45	8:45-9:00	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4:00-4:15	4:15-4:30	4:30-4:45	4:45-5:00	5:00-5:15	5:15-5:30	5:30-5:45	5:45-6:00	6:00-6:15	6:15-6:30	6:30-6:45	6:45-7:00	TOTAL
<b>MISSION BLVD. S/B</b>																														
1 ———> LT.	102	77	94	101	100	79	93	56	57	20	120	136	154	232	181	172	180	30	42	41	42	52	40	55	44	28	38		2366	
2 ———> THRU.	410	258	338	336	302	230	263	235	213	203	710	589	546	480	489	609	707	183	199	218	121	235	214	244	216	219	146		8913	
3 ———> RT.	9	13	12	12	26	15	13	10	3	10	41	29	38	38	44	44	38	16	14	13	14	12	7	8	7	8	11		505	
<b>TOTAL</b>	521	348	444	449	428	324	369	301	273	233	871	754	738	750	714	825	925	229	255	272	177	299	261	307	267	255	195		11784	
<b>WARM SPRINGS BLVD. E/B</b>																														
4 ———> LT.	7	3	18	5	13	17	8	3	5	7	37	47	52	68	30	53	59	17	11	22	21	23	16	22	8	15	10		597	
5 ———> THRU.	108	77	98	100	109	128	81	60	42	30	125	139	175	219	178	230	239	68	49	56	58	73	54	68	51	52	42		2709	
6 ———> RT.	17	10	15	18	24	8	11	10	7	10	45	35	54	53	35	66	60	18	11	18	13	20	18	10	8	7	9		610	
<b>TOTAL</b>	132	90	131	123	146	153	100	73	54	47	207	221	281	340	243	349	358	103	71	96	92	116	88	100	67	74	61		3916	
<b>MISSION BLVD. N/B</b>																														
7 ———> LT.	2	11	13	11	2	12	15	10	15	12	38	60	79	58	47	70	100	7	8	15	11	11	9	11	2	9	4		642	
8 ———> THRU.	176	150	175	233	117	178	144	157	154	212	629	474	513	472	506	735	884	219	252	241	292	274	231	207	236	183	191		8235	
9 ———> RT.	13	11	14	15	14	14	10	19	22	15	44	33	62	31	59	85	51	6	14	17	18	13	23	6	18	6	7		640	
<b>TOTAL</b>	191	172	202	259	133	204	169	186	191	239	711	567	654	561	612	890	1035	232	274	273	321	298	263	224	256	198	202		9517	
<b>WARM SPRINGS BLVD. W/B</b>																														
10 ———> LT.	76	56	75	82	33	60	64	64	68	58	237	182	190	253	214	247	245	85	103	79	76	84	88	79	85	72	88		3043	
11 ———> THRU.	34	19	24	46	40	52	43	49	53	38	151	133	163	227	190	223	235	57	77	60	69	94	81	80	64	51	46		2399	
12 ———> RT.	24	29	28	45	22	16	49	39	47	44	119	116	209	218	139	210	308	58	63	97	81	130	86	99	86	67	61		2490	
<b>TOTAL</b>	134	104	127	173	95	128	156	152	168	140	507	431	562	698	543	680	788	200	243	236	226	308	255	258	235	190	195		7932	
<b>TOTAL</b>	978	714	904	1004	802	809	794	712	686	659	2296	1973	2235	2349	2112	2744	3106	764	843	877	816	1021	867	889	825	717	653		33149	



# Appendix B

---

## Signal Timing Sheets

INTERVAL	TIMING FUNCTION	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	
0	WALK		7		5		7		5	
1	FLASHING DON'T WALK		30		34		33		34	
2	MINIMUM INITIAL	15	15	14	13	14	15	8	14	
3	TYPE 3 DET. DISCONNECT	0	25	0	0	0	25	0	0	
4	ADDED SEC./ACTUATION	0	2	0	0	0	2.2	0	0	
5	PASSAGE	2	4.5	2	2	2	5	2	2	
6	MAXIMUM GAP	3	5	3	3	3	5.5	3	3	
7	MINIMUM GAP	1.2	3.3	1	1.5	1	3.3	1.2	1.5	
8	MAXIMUM EXTENSION I	16	25	16	16	16	25	21	16	
9	MAXIMUM EXTENSION II	23			36	21		31	32	
A	MAXIMUM EXTENSION III									
B										
C	SEC. OF GAP REDUCED	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
D	PER SEC. OF INTERVAL	1.1	1.4	0.8	1.0	1.0	1.4	1.0	1.0	
E	YELLOW	4	5	4	4.4	4	5	4	4.4	
F	RED CLEARANCE	0.5	0.5	0	0.5	0.5	0.5	0	0.5	
TURN ON 1245 CEW/SM	TIMING CHANGE BY: DC/HZ ASJ	REMARKS ALL RED FLASH						FILE		
DATE 07/03/80	DATE 08/22/06 11/29/2012	Print Date Jan 16, '15	By RG	FILENAME ALA-262-0.650.xls	E# E3313	OPERATION 8φ				
COUNTY <b>ALA</b>	ROUTE <b>262</b>	PM <b>00.650</b>	CITY <b>Fmt</b>	INTERSECTION <b>WARM SPRINGS &amp; MISSION BLVD (RTE 262)</b>				PROGRAM <b>C8.4 local 1</b>		
NOTE: To Initialize Controller: 1)Set Location & Feature Switches; 2) Clear RAM Location C-C-0 with STOP-TIME ON; 3) Enter Non-zero at C-C-1 to enter timing; 4)Enter 0 at C-C-1 to start ***SET REAL TIME CLOCK TO TELEPHONE TIME***										
**MODEM REQUIRED** <b>MASTER ON TOP</b>										
traffic responsive not working -found mstr frozen w/ dark screen 11-13-12 VPC/ASJ										
BIKE/PED TIMING IMPLEMENTED 11-13-12 VPC/ASJ										
IMPLEMMENTED NEW PATTERNS 11-13-12 VPC/ASJ										
MSTR OPERATING WITH CHIP E170 11-15-12 VPC/ASJ. (updated MUTCD2014 time on PH 4 & 8 RG 1/15/15)										
INTERVAL	FLAG FUNCTION	DISPLAY	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
0	PERMITTED PHASES	F 255	ON	ON	ON	ON	ON	ON	ON	ON
1	RED DETECTOR LOCK									
2	YELLOW DET. LOCK									
3	VEHICLE RECALL	F 034		ON				ON		
4	PEDESTRIAN RECALL									
5	PEDESTRIAN PHASES	F 170		ON		ON		ON		ON
6	OVERLAP A									
7	OVERLAP B									
8	DOUBLE ENTRY	F 170		ON		ON		ON		ON
9	MAX EXT. II	F 217	ON			ON	ON		ON	ON
A	LAG PHASES	VIEW	<b>FOR OBSERVATION ONLY (SET LAG PHASES AT C-F-0 TO C-F-9)</b>							
B	RED REST									
C	NON ACTUATED									
D	MAXIMUM EXT. III									
E	START UP YELLOW									
F	FIRST PHASE GREEN	F 034		ON				ON		

EPROM BOARD - 412C										01/16/15								CODE	FUNCTION	ENTER	DISPLAY	
CHIP	PROGRAM	NUMBER				CHECKSUM	CHIP	PROGRAM	NUMBER				CHECKSUM	LAMPS	TIMING							
U1	C8.4	E# 74				4C46	U2	C8.4														
LOCATION (1=ON)		1	2	3	4	5	6	7	8	FEATURE (1=ON)		1	2	3	4	5	6	7	8			
SWITCH (0=OFF)		1	0	0	0	0	0	0	0	SWITCH (0=OFF)		0	0	0	0	0	0	0	0			
CODE	FUNCTION		ENTER	DISPLAY		ENTER	FUNCTION		ENTER	DISPLAY												
				LAMPS	TIMING		LAMPS	TIMING														
F-0-E	MAXIMUM VARIABLE INITIAL		30 E								F 030											
F-0-F	RED REVERT		20 E								F 02.0											
F-D-0	TBCSEL		1 E								F 001											
F-D-1	HOUR		0 E								F 000											
F-D-2	MINUTE		0 E								F 000											
F-D-8	OFFSET SEEKING FLAG		1 E								F 001											
C-0-0	LOCAL ADDRESS		OBSERVE	ONLY							C 001											
C-C-2	PC MASTER DOWNLOAD		1 E								C 001											
C-F-C	COORDINATED FAZES		2 6	2 6							C 034											
D-0-9	FEATURE (Set by Feature Switch)		OBSERVE	ONLY							d 000											
F-C-F	RAM ACCESS		123 E								F123											
E-D-7	ADD 416U RED LOCK		1	156							E049											
F-C-F	RAM EXIT		0 E								F000											
D-F-D	DISABLE 418U/L		4	4							d008											
D-F-F	DISABLE 8J8U/L		4	4							d008											
C-F-0	LAG FAZES "FREE"		2 4 6 8	2 4 6 8							C 170											
C-F-1	LAG FAZES "PATTERN 1"		2 4 5 7	2 4 5 7					C-E-1	LAG PHASE Gap-Out "PATTERN 1"	5 E	C 005										
C-F-2	LAG FAZES "PATTERN 2"		2 4 5 7	2 4 5 7					C-E-2	LAG PHASE Gap-Out "PATTERN 2"	5 E	C 005										
C-F-3	LAG FAZES "PATTERN 3"		2 4 5 7	2 4 5 7					C-E-3	LAG PHASE Gap-Out "PATTERN 3"	5 E	C 005										
C-F-4	LAG FAZES "PATTERN 4"		2 4 5 7	2 4 5 7					C-E-4	LAG PHASE Gap-Out "PATTERN 4"	5 E	C 005										
C-F-5	LAG FAZES "PATTERN 5"		2 4 5 7	2 4 5 7					C-E-5	LAG PHASE Gap-Out "PATTERN 5"	5 E	C 005										
C-F-6	LAG FAZES "PATTERN 6"		2 4 5 7	2 4 5 7					C-E-6	LAG PHASE Gap-Out "PATTERN 6"	5 E	C 005										
C-F-7	LAG FAZES "PATTERN 7"		2 4 5 7	2 4 5 7					C-E-7	LAG PHASE Gap-Out "PATTERN 7"	5 E	C 005										
C-F-8	LAG FAZES "PATTERN 8"		2 4 5 7	2 4 5 7					C-E-8	LAG PHASE Gap-Out "PATTERN 8"	5 E	C 005										
C-F-9	LAG FAZES "PATTERN 9"		2 4 5 7	2 4 5 7					C-E-9	LAG PHASE Gap-Out "PATTERN 9"	5 E	C 005										

ALA      262      00.650      Fmt      WARM SPRINGS & MISSION BLVD (RTE 262)  
County      Route      PM      City      Location

PLAN 1			
CODE	FUNCTION	ENTER	DISPLAY
C-1-0	CYC. LENG.	250 E	C 250
C-1-1	ϕ 1 SPLIT	25 E	C 025
C-1-2	ϕ 2 SPLIT	E	C
C-1-3	ϕ 3 SPLIT	52 E	C 052
C-1-4	ϕ 4 SPLIT	50 E	C 050
C-1-5	ϕ 5 SPLIT	25 E	C 025
C-1-6	ϕ 6 SPLIT	E	C
C-1-7	ϕ 7 SPLIT	52 E	C 052
C-1-8	ϕ 8 SPLIT	50 E	C 050
C-1-A	OFFSET A	0 E	C 000
C-1-B	OFFSET B	E	C
C-1-C	OFFSET C	E	C

PLAN 4			
CODE	FUNCTION	ENTER	DISPLAY
C-4-0	CYC. LENG.	180 E	C 180
C-4-1	ϕ 1 SPLIT	24 E	C 024
C-4-2	ϕ 2 SPLIT	E	C
C-4-3	ϕ 3 SPLIT	21 E	C 021
C-4-4	ϕ 4 SPLIT	39 E	C 039
C-4-5	ϕ 5 SPLIT	20 E	C 020
C-4-6	ϕ 6 SPLIT	E	C
C-4-7	ϕ 7 SPLIT	21 E	C 021
C-4-8	ϕ 8 SPLIT	39 E	C 039
C-4-A	OFFSET A	0 E	C 000
C-4-B	OFFSET B	E	C
C-4-C	OFFSET C	E	C

PLAN 7			
CODE	FUNCTION	ENTER	DISPLAY
C-7-0	CYC. LENG.	165 E	C 165
C-7-1	ϕ 1 SPLIT	25 E	C 025
C-7-2	ϕ 2 SPLIT	E	C
C-7-3	ϕ 3 SPLIT	26 E	C 026
C-7-4	ϕ 4 SPLIT	39 E	C 039
C-7-5	ϕ 5 SPLIT	25 E	C 025
C-7-6	ϕ 6 SPLIT	E	C
C-7-7	ϕ 7 SPLIT	26 E	C 026
C-7-8	ϕ 8 SPLIT	39 E	C 039
C-7-A	OFFSET A	0 E	C 000
C-7-B	OFFSET B	E	C
C-7-C	OFFSET C	E	C

COORD MAX RECALL				
CODE	PLAN	ENTER	CALL LAMPS	TIMING DATA
D-D-1	1			d
D-D-2	2			d
D-D-3	3			d
D-D-4	4			d
D-D-5	5			d
D-D-6	6			d
D-D-7	7			d
D-D-8	8			d
D-D-9	9			d

PLAN 2			
CODE	FUNCTION	ENTER	DISPLAY
C-2-0	CYC. LENG.	165 E	C 165
C-2-1	ϕ 1 SPLIT	20 E	C 020
C-2-2	ϕ 2 SPLIT	E	C
C-2-3	ϕ 3 SPLIT	21 E	C 021
C-2-4	ϕ 4 SPLIT	39 E	C 039
C-2-5	ϕ 5 SPLIT	20 E	C 020
C-2-6	ϕ 6 SPLIT	E	C
C-2-7	ϕ 7 SPLIT	21 E	C 021
C-2-8	ϕ 8 SPLIT	39 E	C 039
C-2-A	OFFSET A	0 E	C 000
C-2-B	OFFSET B	E	C
C-2-C	OFFSET C	E	C

PLAN 5			
CODE	FUNCTION	ENTER	DISPLAY
C-5-0	CYC. LENG.	135 E	C 135
C-5-1	ϕ 1 SPLIT	22 E	C 022
C-5-2	ϕ 2 SPLIT	E	C
C-5-3	ϕ 3 SPLIT	15 E	C 015
C-5-4	ϕ 4 SPLIT	30 E	C 030
C-5-5	ϕ 5 SPLIT	16 E	C 016
C-5-6	ϕ 6 SPLIT	E	C
C-5-7	ϕ 7 SPLIT	25 E	C 025
C-5-8	ϕ 8 SPLIT	20 E	C 020
C-5-A	OFFSET A	0 E	C 000
C-5-B	OFFSET B	E	C
C-5-C	OFFSET C	E	C

PLAN 8			
CODE	FUNCTION	ENTER	DISPLAY
C-8-0	CYC. LENG.	150 E	C 150
C-8-1	ϕ 1 SPLIT	20 E	C 020
C-8-2	ϕ 2 SPLIT	E	C
C-8-3	ϕ 3 SPLIT	21 E	C 021
C-8-4	ϕ 4 SPLIT	39 E	C 039
C-8-5	ϕ 5 SPLIT	20 E	C 020
C-8-6	ϕ 6 SPLIT	E	C
C-8-7	ϕ 7 SPLIT	21 E	C 021
C-8-8	ϕ 8 SPLIT	39 E	C 039
C-8-A	OFFSET A	0 E	C 000
C-8-B	OFFSET B	E	C
C-8-C	OFFSET C	E	C

COORD MIN RECALL				
CODE	PLAN	ENTER	CALL LAMPS	TIMING DATA
D-E-1	1			d
D-E-2	2			d
D-E-3	3			d
D-E-4	4			d
D-E-5	5			d
D-E-6	6			d
D-E-7	7			d
D-E-8	8			d
D-E-9	9			d

PLAN 3			
CODE	FUNCTION	ENTER	DISPLAY
C-3-0	CYC. LENG.	230 E	C 230
C-3-1	ϕ 1 SPLIT	24 E	C 024
C-3-2	ϕ 2 SPLIT	E	C
C-3-3	ϕ 3 SPLIT	21 E	C 021
C-3-4	ϕ 4 SPLIT	39 E	C 039
C-3-5	ϕ 5 SPLIT	28 E	C 028
C-3-6	ϕ 6 SPLIT	E	C
C-3-7	ϕ 7 SPLIT	21 E	C 021
C-3-8	ϕ 8 SPLIT	39 E	C 039
C-3-A	OFFSET A	0 E	C 000
C-3-B	OFFSET B	E	C
C-3-C	OFFSET C	E	C

PLAN 6			
CODE	FUNCTION	ENTER	DISPLAY
C-6-0	CYC. LENG.	135 E	C 135
C-6-1	ϕ 1 SPLIT	18 E	C 018
C-6-2	ϕ 2 SPLIT	E	C
C-6-3	ϕ 3 SPLIT	20 E	C 020
C-6-4	ϕ 4 SPLIT	30 E	C 030
C-6-5	ϕ 5 SPLIT	26 E	C 026
C-6-6	ϕ 6 SPLIT	E	C
C-6-7	ϕ 7 SPLIT	24 E	C 024
C-6-8	ϕ 8 SPLIT	28 E	C 028
C-6-A	OFFSET A	0 E	C 000
C-6-B	OFFSET B	E	C
C-6-C	OFFSET C	E	C

PLAN 9			
CODE	FUNCTION	ENTER	DISPLAY
C-9-0	CYC. LENG.	135 E	C 135
C-9-1	ϕ 1 SPLIT	17 E	C 017
C-9-2	ϕ 2 SPLIT	E	C
C-9-3	ϕ 3 SPLIT	20 E	C 020
C-9-4	ϕ 4 SPLIT	39 E	C 039
C-9-5	ϕ 5 SPLIT	17 E	C 017
C-9-6	ϕ 6 SPLIT	E	C
C-9-7	ϕ 7 SPLIT	20 E	C 020
C-9-8	ϕ 8 SPLIT	39 E	C 039
C-9-A	OFFSET A	0 E	C 000
C-9-B	OFFSET B	E	C
C-9-C	OFFSET C	E	C

COORD PED RECALL				
CODE	PLAN	ENTER	CALL LAMPS	TIMING DATA
D-F-1	1			d
D-F-2	2			d
D-F-3	3			d
D-F-4	4			d
D-F-5	5			d
D-F-6	6			d
D-F-7	7			d
D-F-8	8			d
D-F-9	9			d

01/16/15

ALA 262 00.650  
County Route PM

Fmt  
City

WARM SPRINGS & MISSION BLVD (RTE 262)  
Location

CONTROL CODE "7"											
TIME OF DAY ACTIVITY TABLE											
KEY STROKES 7 + EVENT # + HOUR + MIN + ACT CODE + "E" + ON/OFF + DOW LTS											
EVENT #	TIME	ACTIVITY CODE	DEPRESS "E"	ON/OFF	DAY OF THE WEEK						
				LIGHT	SET DISPLAY LIGHTS 1-7						
					SUN	MON	TUE	WED	THUR	FRI	SAT
0	1	2	3	4	5	6	7				
0	0500	2	E	ON		X	X	X	X	X	
1	2200	2	E	OFF	X	X	X	X	X	X	X
2	1000	2	E	ON	X						X
3			E								
4			E								
5			E								
6			E								
7			E								
8			E								
9			E								
A			E								
B			E								
C			E								
D			E								
E			E								
F			E								

CONTROL CODE "9"													
TIME OF DAY SELECTION FOR COORDINATED CONTROL PLANS													
KEY STROKES 9 + EVENT # + HOUR + MIN + Control Plan + Offset + "E" + DOW LTS													
DATE	BY	EVENT #	TIME	CONTROL PLAN	OFFSET	DEPRESS "E"	DAY OF THE WEEK						
							SET DISPLAY LIGHTS 1-7						
							SUN	MON	TUE	WED	THUR	FRI	SAT
1	2	3	4	5	6	7							
		0	0545	3	A	E							
		1	1100	2	A	E		X	X	X	X		
		2	2200	E		E	X	X	X	X	X	X	
		3				E							
		4				E							
		5				E							
		6				E							
		7				E							
		8	0800	2	A	E	X					X	
		9				E							
		A				E							
		B				E							
		C				E							
		D				E							
		E				E							
		F				E							

"7" KEY ACTIVITY CODE

- 1=TYPE OF SIMULTANEOUS PHASE TERMINATION
- 2=MAX 2 FAZES
- 3=MAX 3 FAZES
- 4=CONDITIONAL SERVICE (1ST SELECT) FAZES SET AT E-F-0
- 5=CONDITIONAL SERVICE (2ND SELECT) FAZES SET AT E-F-1
- 6=ENERGIZE AUX 6 RED
- 7=ENERGIZE AUX 6 GREEN
- 8=ENERGIZE AUX 6 YELLOW
- 9=CONSTANT CALL ON FAZES SET AT D-F-A
- A=TRAFFIC ACTUATED MAX 2 OPERATION
- B=CONSTANT CALL ON FAZES SET AT D-F-B
- C=YELLOW YIELD COORDINATION
- D=YELLOW YIELD COORDINATION
- E=COORD FREE IF F-D-4 = 0
- F=FLASHING OPERATION

01/16/15



# INPUT FILE - 332 CABINET

1/16/2015

1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>1I1U</b> EX,CT 1I10U TB2 1,2 F-C1/56 D E	<b>2I2U</b> EX,CT 2I11U TB2 5,6 F-C1/39 D E	<b>2I3U</b> EX,CT 2I113U TB2 9,10 F-C1/63 D E	<b>2I4U</b> CL,T3 2I15U TB4 1,2 F-C1/47 D E	<b>3I5U</b> EX,CT 3I16U TB4 5,6 F-C1/58 D E	<b>4I6U</b> EX,CT,RL 4I17U TB4 9,10 F-C1/41 D E	<b>4I7U</b> EX,CT 4I19U TB6 1,2 F-C1/65 D E	<b>4I8U</b> CL,T3 4I1BU TB6 5,6 F-C1/49 D E	<b>1I9U</b> EX,CT 1I1CU TB6 9,10 F-C1/60 D E	<b>DC ISO</b> F D E	<b>MANUAL</b> TB8 1,3 F-C1/80 D E	<b>2-PPB</b> 2I1E TB8 4,6 F-C1-67 D E	<b>6-PPB</b> 6I2E TB8 7,9 F-C1/68 D E	<b>FLASH SENSE</b> TB8 10,12 F-C1/81 D E
<b>1I1L</b> EX,CT 1I10L TB2 3,4 W-C1/56 J K	<b>2I2L</b> EX,CT 2I12L TB2 7,8 W-C1/43 J K	<b>2I3L</b> EX 2I14L TB2 11,12 W-C1/76 J K	<b>2I4L</b> CL,T3 2I15L TB4 3,4 W-C1/47 J K	<b>3I5L</b> EX,CT 3I16L TB4 7,8 W-C1/58 J K	<b>4I6L</b> EX,CT 4I18L TB4 11,12 W-C1/45 J K	<b>4I7L</b> EX 4I1AL TB6 3,4 W-C1/78 J K	<b>4I8L</b> CL,T3 4I1BL TB6 7,8 W-C1/49 J K	<b>3I9L</b> EX,CT 3I1DL TB6 11,12 W-C1/62 J K	<b>DC ISO</b> W J K	<b>SPARE 1</b> TB8 2,3 W-C1/53 J K	<b>4-PPB</b> 4I1F TB8 5,6 W-C1/69 J K	<b>8-PPB</b> 8I2F TB8 8,9 W-C1/70 J K	<b>STOP TIME</b> TB8 11,12 W-C1/82 J K
<b>5J1U</b> EX,CT 5J20U TB3 1,2 F-C1/55 D E	<b>6J2U</b> EX,CT 6J21U TB3 5,6 F-C1/40 D E	<b>6J3U</b> EX,CT 6J23U TB3 9,10 F-C1/64 D E	<b>6J4U</b> CL,T3 6J25U TB5 1,2 F-C1/48 D E	<b>7J5U</b> EX,CT 7J26U TB5 5,6 F-C1/57 D E	<b>8J6U</b> EX,CT 8J27U TB5 9,10 F-C1/42 D E	<b>8J7U</b> EX,CT 8J29U TB7 1,2 F-C1/66 D E	<b>8J8U</b> CL,T3 8J2BU TB7 5,6 F-C1/50 D E	<b>5J9U</b> EX,CT 5J2CU TB7 9,10 F-C1/59 D E	<b>DC ISO</b> F D E	<b>SPARE 2</b> TB9 1,3 F-C1/54 D E	<b>EVA PREMT</b> Ø2 & Ø5 TB9 4,2,6 D-Yellow E-Orange K-Blu+Shl	<b>EVB PREMT</b> Ø4 & Ø7 TB9 7,3,9 D-Yellow E-Orange K-Blu+Shl	<b>RR1 PREMT</b> Ø2 & Ø5 TB9 10,12 F-C1/51 D E
<b>5J1L</b> EX,CT 5J20L TB3 3,4 W-C1/55 J K	<b>6J2L</b> EX,CT 6J22L TB3 7,8 W-C1/44 J K	<b>6J3L</b> EX 6J24L TB3 11,12 W-C1/77 J K	<b>6J4L</b> CL,T3 6J25L TB5 3,4 W-C1/48 J K	<b>7J5L</b> EX,CT 7J26L TB5 7,8 W-C1/57 J K	<b>8J6L</b> EX,CT 8J28L TB5 11,12 W-C1/46 J K	<b>8J7L</b> EX 8J2AL TB7 3,4 W-C1/79 J K	<b>8J8L</b> CL,T3 8J2BL TB7 7,8 W-C1/50 J K	<b>7J9L</b> EX,CT 7J2DL TB7 11,12 W-C1/61 J K	<b>DC ISO</b> W J K	<b>SPARE 3</b> TB9 2,3 W-C1/75 J K	<b>EVC PREMT</b> Ø6 & Ø1 TB9 5,2,6 J-Yellow E-Orange K-Blu+Shl	<b>EVD PREMT</b> Ø8 & Ø3 TB9 8,3,9 J-Yellow E-Orange K-Blu+Shl	<b>RR2 PREMT</b> Ø4 & Ø7 TB9 11,12 W-C1/52 J K

TB0-1 (S1)

## OUTPUT FILE

TB0-4 (S4)

TB0-3 (S3)

S5  
S6 FROM MOHAVE DRIVE

<b>Ø1</b> R-125 C1/16 Y-126 C1/17 G-127 C1/18	<b>Ø2</b> R-128 C1/12 Y-129 C1/13 G-130 C1/15	<b>Ø2P</b> R-113 C1/10 Y-114 C1/35 G-115 C1/11	<b>Ø3</b> R-116 C1/7 Y-117 C1/8 G-118 C1/9	<b>Ø4</b> R-101 C1/4 Y-102 C1/5 G-103 C1/6	<b>Ø4P</b> R-104 C1/2 Y-105 C1/37 G-106 C1/3
<b>Ø5</b> R-131 C1/32 Y-132 C1/33 G-133 C1/34	<b>Ø6</b> R-134 C1/29 Y-135 C1/30 G-136 C1/31	<b>Ø6P</b> R-119 C1/27 Y-120 C1/36 G-121 C1/28	<b>Ø7</b> R-122 C1/24 Y-123 C1/25 G-124 C1/26	<b>Ø8</b> R-107 C1/21 Y-108 C1/22 G-109 C1/23	<b>Ø8P</b> R-110 C1/19 Y-111 C1/38 G-112 C1/20

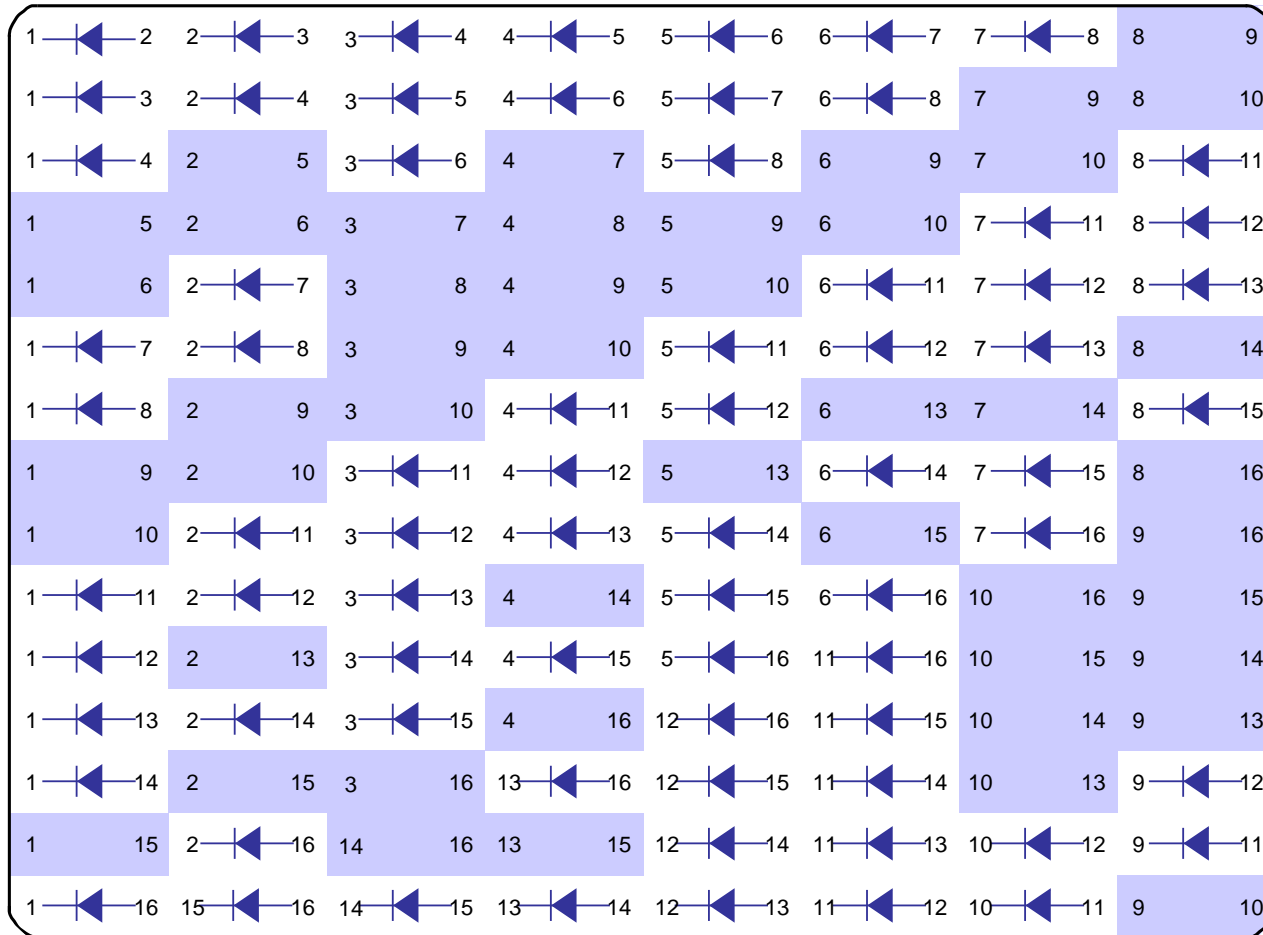
<b>A1(OL'C)</b> R-A121 C1/97 Y-A122 C1/98 G-A123 C1/99	<b>A2(OL'D)</b> R-A124 C1/94 Y-A125 C1/95 G-A126 C1/96	<b>A3</b> R-A111 C1/91 Y-A112 C1/101 G-A113 C1/93	<b>A4(OL'A)</b> R-A114 C1/88 Y-A115 C1/89 G-A116 C1/90	<b>A5(OL'B)</b> R-A101 C1/85 Y-A102 C1/86 G-A103 C1/87	<b>A6</b> R-A104 C1/84 Y-A105 C1/100 G-A106 C1/83
---	---	--	---	---	--

**ALA** County     **262** Route     **00.650** PM     **Fmt** City

**WARM SPRINGS & MISSION BLVD (RTE 262)** Location

# DIODE CARD

01/16/15



CHANNEL	PIN	LOAD SWITCH ASSIGNMENT		PIN
1	9	Ø1 Y	Ø1 G	J
2	1	Ø2 G	Ø2 Y	A
3	12	Ø3 Y	Ø3 G	M
4	4	Ø4 G	Ø4 Y	D
5	7	Ø5 G	Ø5 Y	H
6	3	Ø6 Y	Ø6 G	B
7	10	Ø7 G	Ø7 Y	L
8	6	Ø8 Y	Ø8 G	E
9G	13	Ø2P Y		
9Y	16	Ø4P Y		
10G			Ø6P Y	R
10Y			Ø8P Y	U
11G			N/U	S
11Y	15	N/U		
12G			N/U	V
12Y	18	N/U		
13G	2	Ø2P G		
13Y	8	N/U		
14G	5	Ø4P G		
14Y	11	N/U		
15G			Ø6P G	C
15Y			N/U	K
16G			Ø8P G	F
16Y			N/U	N



ALA                      262                      00.650                      Fmt                      WARM SPRINGS & MISSION BLVD (RTE 262)  
 County                      Route                      PM                      City                      Location

# FIELD INPUT/OUTPUT TERMINALS

01/16/15

## FIELD INPUT TERMINALS

<p><b>TB-2</b>    <i>loops</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 &amp; 2</td><td>1I1U</td></tr> <tr><td>3 &amp; 4</td><td>1I1L</td></tr> <tr><td>5 &amp; 6</td><td>2I2U</td></tr> <tr><td>7 &amp; 8</td><td>2I2L</td></tr> <tr><td>9 &amp; 10</td><td>2I3U</td></tr> <tr><td>11 &amp; 12</td><td>2I3L</td></tr> </table>	1 & 2	1I1U	3 & 4	1I1L	5 & 6	2I2U	7 & 8	2I2L	9 & 10	2I3U	11 & 12	2I3L	<p><b>TB-3</b>    <i>loops</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 &amp; 2</td><td>5J1U</td></tr> <tr><td>3 &amp; 4</td><td>5J1L</td></tr> <tr><td>5 &amp; 6</td><td>6J2U</td></tr> <tr><td>7 &amp; 8</td><td>6J2L</td></tr> <tr><td>9 &amp; 10</td><td>6J3U</td></tr> <tr><td>11 &amp; 12</td><td>6J3L</td></tr> </table>	1 & 2	5J1U	3 & 4	5J1L	5 & 6	6J2U	7 & 8	6J2L	9 & 10	6J3U	11 & 12	6J3L	<p><b>TB-8</b>    <i>peds</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1</td><td>MANUAL</td></tr> <tr><td>2</td><td>SPARE 1</td></tr> <tr><td>3</td><td>COM</td></tr> <tr><td>4</td><td>2-PPB</td></tr> <tr><td>5</td><td>4-PPB</td></tr> <tr><td>6</td><td>2-PPB &amp; 4-PPB COM</td></tr> <tr><td>7</td><td>6-PPB</td></tr> <tr><td>8</td><td>8-PPB</td></tr> <tr><td>9</td><td>6-PPB &amp; 8-PPB COM</td></tr> </table>	1	MANUAL	2	SPARE 1	3	COM	4	2-PPB	5	4-PPB	6	2-PPB & 4-PPB COM	7	6-PPB	8	8-PPB	9	6-PPB & 8-PPB COM																																	
1 & 2	1I1U																																																																												
3 & 4	1I1L																																																																												
5 & 6	2I2U																																																																												
7 & 8	2I2L																																																																												
9 & 10	2I3U																																																																												
11 & 12	2I3L																																																																												
1 & 2	5J1U																																																																												
3 & 4	5J1L																																																																												
5 & 6	6J2U																																																																												
7 & 8	6J2L																																																																												
9 & 10	6J3U																																																																												
11 & 12	6J3L																																																																												
1	MANUAL																																																																												
2	SPARE 1																																																																												
3	COM																																																																												
4	2-PPB																																																																												
5	4-PPB																																																																												
6	2-PPB & 4-PPB COM																																																																												
7	6-PPB																																																																												
8	8-PPB																																																																												
9	6-PPB & 8-PPB COM																																																																												
<p><b>TB-4</b>    <i>loops</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 &amp; 2</td><td>2I4U</td></tr> <tr><td>3 &amp; 4</td><td>2I4L</td></tr> <tr><td>5 &amp; 6</td><td>3I5U</td></tr> <tr><td>7 &amp; 8</td><td>3I5L</td></tr> <tr><td>9 &amp; 10</td><td>4I6U</td></tr> <tr><td>11 &amp; 12</td><td>4I6L</td></tr> </table>	1 & 2	2I4U	3 & 4	2I4L	5 & 6	3I5U	7 & 8	3I5L	9 & 10	4I6U	11 & 12	4I6L	<p><b>TB-5</b>    <i>loops</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 &amp; 2</td><td>6J4U</td></tr> <tr><td>3 &amp; 4</td><td>6J4L</td></tr> <tr><td>5 &amp; 6</td><td>7J5U</td></tr> <tr><td>7 &amp; 8</td><td>7J5L</td></tr> <tr><td>9 &amp; 10</td><td>8J6U</td></tr> <tr><td>11 &amp; 12</td><td>8J6L</td></tr> </table>	1 & 2	6J4U	3 & 4	6J4L	5 & 6	7J5U	7 & 8	7J5L	9 & 10	8J6U	11 & 12	8J6L	<p><b>TB-9</b>    <i>emergency pre-emp.</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1-SP2</td><td></td></tr> <tr><td>2-EV A &amp; C PWR.</td><td>→ ORN Wires to EV A &amp; C</td></tr> <tr><td>3-EV B &amp; D Pwr.</td><td>→ ORN Wires to EV B &amp; D</td></tr> <tr><td>4-EVA Actuation</td><td>→ YEL Wire to EV A</td></tr> <tr><td>5-EVC Actuation</td><td>→ YEL Wire to EV C</td></tr> <tr><td>6-EV A &amp; C COM</td><td>→ Blu+shields to EV A &amp; C</td></tr> <tr><td>7-EVB Actuation</td><td>→ YEL Wire to EV B</td></tr> <tr><td>8-EVD Actuation</td><td>→ YEL Wire to EV D</td></tr> <tr><td>9-EV B &amp; D COM</td><td>→ Blu+shields to EV B &amp; D</td></tr> <tr><td>10-RR1</td><td></td></tr> <tr><td>11-RR2</td><td></td></tr> <tr><td>12-COM</td><td></td></tr> </table>	1-SP2		2-EV A & C PWR.	→ ORN Wires to EV A & C	3-EV B & D Pwr.	→ ORN Wires to EV B & D	4-EVA Actuation	→ YEL Wire to EV A	5-EVC Actuation	→ YEL Wire to EV C	6-EV A & C COM	→ Blu+shields to EV A & C	7-EVB Actuation	→ YEL Wire to EV B	8-EVD Actuation	→ YEL Wire to EV D	9-EV B & D COM	→ Blu+shields to EV B & D	10-RR1		11-RR2		12-COM		<p><b>TB-6</b>    <i>loops</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 &amp; 2</td><td>4I7U</td></tr> <tr><td>3 &amp; 4</td><td>4I7L</td></tr> <tr><td>5 &amp; 6</td><td>4I8U</td></tr> <tr><td>7 &amp; 8</td><td>4I8L</td></tr> <tr><td>9 &amp; 10</td><td>1I9U</td></tr> <tr><td>11 &amp; 12</td><td>3I9L</td></tr> </table>	1 & 2	4I7U	3 & 4	4I7L	5 & 6	4I8U	7 & 8	4I8L	9 & 10	1I9U	11 & 12	3I9L	<p><b>TB-7</b>    <i>loops</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 &amp; 2</td><td>8J7U</td></tr> <tr><td>3 &amp; 4</td><td>8J7L</td></tr> <tr><td>5 &amp; 6</td><td>8J8U</td></tr> <tr><td>7 &amp; 8</td><td>8J8L</td></tr> <tr><td>9 &amp; 10</td><td>5J9U</td></tr> <tr><td>11 &amp; 12</td><td>7J9L</td></tr> </table>	1 & 2	8J7U	3 & 4	8J7L	5 & 6	8J8U	7 & 8	8J8L	9 & 10	5J9U	11 & 12	7J9L	<p><b>**J11-J to J12-E / J11-K to J13-E for opto probe pwr.</b></p>
1 & 2	2I4U																																																																												
3 & 4	2I4L																																																																												
5 & 6	3I5U																																																																												
7 & 8	3I5L																																																																												
9 & 10	4I6U																																																																												
11 & 12	4I6L																																																																												
1 & 2	6J4U																																																																												
3 & 4	6J4L																																																																												
5 & 6	7J5U																																																																												
7 & 8	7J5L																																																																												
9 & 10	8J6U																																																																												
11 & 12	8J6L																																																																												
1-SP2																																																																													
2-EV A & C PWR.	→ ORN Wires to EV A & C																																																																												
3-EV B & D Pwr.	→ ORN Wires to EV B & D																																																																												
4-EVA Actuation	→ YEL Wire to EV A																																																																												
5-EVC Actuation	→ YEL Wire to EV C																																																																												
6-EV A & C COM	→ Blu+shields to EV A & C																																																																												
7-EVB Actuation	→ YEL Wire to EV B																																																																												
8-EVD Actuation	→ YEL Wire to EV D																																																																												
9-EV B & D COM	→ Blu+shields to EV B & D																																																																												
10-RR1																																																																													
11-RR2																																																																													
12-COM																																																																													
1 & 2	4I7U																																																																												
3 & 4	4I7L																																																																												
5 & 6	4I8U																																																																												
7 & 8	4I8L																																																																												
9 & 10	1I9U																																																																												
11 & 12	3I9L																																																																												
1 & 2	8J7U																																																																												
3 & 4	8J7L																																																																												
5 & 6	8J8U																																																																												
7 & 8	8J8L																																																																												
9 & 10	5J9U																																																																												
11 & 12	7J9L																																																																												

## FIELD OUTPUT TERMINALS

101	Ø4 - RED	113	Ø2P - DON'T WALK	125	Ø1 - RED
102	Ø4 - YELLOW	114	OL'A - GREEN	126	Ø1 - YELLOW
103	Ø4 - GREEN	115	Ø2P - WALK	127	Ø1 - GREEN
104	Ø4P - DON'T WALK	116	Ø3 - RED	128	Ø2 - RED
105	OL'A - YELLOW	117	Ø3 - YELLOW	129	Ø2 - YELLOW
106	Ø4P - WALK	118	Ø3 - GREEN	130	Ø2 - GREEN
107	Ø8 - RED	119	Ø6P - DON'T WALK	131	Ø5 - RED
108	Ø8 - YELLOW	120	OL'B - GREEN	132	Ø5 - YELLOW
109	Ø8 - GREEN	121	Ø6P - WALK	133	Ø5 - GREEN
110	Ø8P - DON'T WALK	122	Ø7 - RED	134	Ø6 - RED
111	OL'B - YELLOW	123	Ø7 - YELLOW	135	Ø6 - YELLOW
112	Ø8P - WALK	124	Ø7 - GREEN	136	Ø6 - GREEN

## AUX. FIELD OUTPUT TERMINALS

A101	A5(OL'B) - RED	A111	A3 - RED	A121	A1(OL'C) - RED
A102	A5(OL'B) - YELLOW	A112	A3 - YELLOW	A122	A1(OL'C) - YELLOW
A103	A5(OL'B) - GREEN	A113	A3 - GREEN	A123	A1(OL'C) - GREEN
A104	A6 - RED	A114	A4(OL'A) - RED	A124	A2(OL'D) - RED
A105	A6 - YELLOW	A115	A4(OL'A) - YELLOW	A125	A2(OL'D) - YELLOW
A106	A6 - GREEN	A116	A4(OL'A) - GREEN	A126	A2(OL'D) - GREEN

INTERVAL	TIMING FUNCTION	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	
0	WALK		7		5		7			
1	FLASHING DON'T WALK		27		34		24			
2	MINIMUM INITIAL	13	15	14	15	13	10			
3	TYPE 3 DET. DISCONNECT	0	16	0	0	0	16			
4	ADDED SEC./ACTUATION	0	2	0	0	0	1.8			
5	PASSAGE	2	4.5	2.5	2	2	4.5			
6	MAXIMUM GAP	3	5.5	3.5	3	3	5.5			
7	MINIMUM GAP	1	3.5	1.5	1	1	3.5			
8	MAXIMUM EXTENSION I	21	40	16	32	16	40			
9	MAXIMUM EXTENSION II	26		26						
A	MAXIMUM EXTENSION III									
B										
C	SEC. OF GAP REDUCED	0.1	0.1	0.1	0.1	0.1	0.1			
D	PER SEC. OF INTERVAL	1.0	1.5	1.0	1.0	1.0	1.5			
E	YELLOW	4	5	4	4	4	5			
F	RED CLEARANCE	0	0	0	0	0	0			
TURN ON 1500 EB/RW	TIMING CHANGE BY: RGM MYL 2/17/09 VP 10/30/07	REMARKS <b>ALL RED FLASH</b>						FILE		
DATE 09/27/84	DATE 08/03/99	VP/AS 11/18/10	Print Date Jun 13,'13	By VPC	FILENAME ALA-262-0.820.xls	E# E33V2	OPERATION <b>6Φ</b>			
COUNTY <b>ALA</b>	ROUTE <b>262</b>	PM <b>00.820</b>	CITY <b>Fmt</b>	INTERSECTION <b>MOHAVE DR./MISSION BLVD. (Rte 262)</b>				PROGRAM <b>C8.4</b>		
				NOTE: To Initialize Controller: 1)Set Location & Feature Switches; 2) Clear RAM Location C-C-0 with STOP-TIME ON; 3) Enter Non-zero at C-C-1 to enter timing; 4)Enter 0 at C-C-1 to start <b>***SET REAL TIME CLOCK TO TELEPHONE TIME***</b> <b>*SET 2I2U, 2I2L, 6J2U &amp; 6J2L ON PULSE*</b> <b>**MODEM REQUIRED** MSTR @ WARM SPRINGS</b> traffic responsive not working - found mstr frozen w/ blank screen 11-13-12 VPC/ASJ MSTR OPERATING WITH CHIP E#170 11-15-12 VPC/ASJ RG/EA:Changed Yellow time on PH 1,3,4,5 to 4 sec.5/24/2013						
INTERVAL	FLAG FUNCTION	DISPLAY	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
0	PERMITTED PHASES	F 063	ON	ON	ON	ON	ON	ON		
1	RED DETECTOR LOCK									
2	YELLOW DET. LOCK									
3	VEHICLE RECALL	F 034		ON				ON		
4	PEDESTRIAN RECALL									
5	PEDESTRIAN PHASES	F 042		ON		ON		ON		
6	OVERLAP A									
7	OVERLAP B									
8	DOUBLE ENTRY	F 034		ON				ON		
9	MAX EXT. II	F 005	ON		ON					
A	LAG PHASES	VIEW	<b>FOR OBSERVATION ONLY (SET LAG PHASES AT C-F-0 TO C-F-9)</b>							
B	RED REST									
C	NON ACTUATED									
D	MAXIMUM EXT. III									
E	START UP YELLOW									
F	FIRST PHASE GREEN	F 034		ON				ON		

EPROM BOARD - 412C										06/13/13				CODE	FUNCTION	ENTER	DISPLAY						
CHIP	PROGRAM	NUMBER			CHECKSUM	CHIP	PROGRAM	NUMBER			CHECKSUM	LAMPS	TIMING										
U1	C8.4	E# 74			4C46	U2	C8.4																
LOCATION (1=ON)				1	2	3	4	5	6	7	8	FEATURE (1=ON)				1	2	3	4	5	6	7	8
SWITCH (0=OFF)				0	1	0	0	0	0	0	0	SWITCH (0=OFF)				0	0	0	0	0	0	0	0
CODE	FUNCTION		ENTER	DISPLAY																			
				LAMPS	TIMING																		
F-0-E	MAXIMUM VARIABLE INITIAL		25 E		F 025																		
F-0-F	RED REVERT		20 E		F 02.0																		
F-D-0	TBCSEL		1 E		F 001																		
F-D-1	HOUR		0 E		F 000																		
F-D-2	MINUTE		0 E		F 000																		
F-D-8	OFFSET SEEKING FLAG		1 E		F 001																		
C-0-0	LOCAL ADDRESS		OBSERVE	ONLY	C 00 2																		
C-C-2	PC MASTER DOWNLOAD		1 E		C 001																		
C-F-C	COORDINATED FAZES		2 6	2 6	C 034																		
D-0-9	FEATURE (Set by Feature Switch)		OBSERVE	ONLY	d 000																		
D-1-9	DELAY 4I7U		100 E		d10.0																		
D-1-D	DELAY 3I9L		100 E		d10.0																		
C-F-0	LAG FAZES "FREE"		2 3 6 8	2 3 6 8	C 166																		
C-F-1	LAG FAZES "PATTERN 1"		2 3 5 8	2 3 5 8	C 150	C-E-1	LAG PHASE Gap-Out "PATTERN 1"		5 E		C 005												
C-F-2	LAG FAZES "PATTERN 2"		2 3 5 8	2 3 5 8	C 150	C-E-2	LAG PHASE Gap-Out "PATTERN 2"		5 E		C 005												
C-F-3	LAG FAZES "PATTERN 3"		2 3 5 8	2 3 5 8	C 150	C-E-3	LAG PHASE Gap-Out "PATTERN 3"		5 E		C 005												
C-F-4	LAG FAZES "PATTERN 4"		2 3 5 8	2 3 5 8	C 150	C-E-4	LAG PHASE Gap-Out "PATTERN 4"		5 E		C 005												
C-F-5	LAG FAZES "PATTERN 5"		2 3 5 8	2 3 5 8	C 150	C-E-5	LAG PHASE Gap-Out "PATTERN 5"		5 E		C 005												
C-F-6	LAG FAZES "PATTERN 6"		2 3 5 8	2 3 5 8	C 150	C-E-6	LAG PHASE Gap-Out "PATTERN 6"		5 E		C 005												
C-F-7	LAG FAZES "PATTERN 7"		2 3 5 8	2 3 5 8	C 150	C-E-7	LAG PHASE Gap-Out "PATTERN 7"		5 E		C 005												
C-F-8	LAG FAZES "PATTERN 8"		2 3 5 8	2 3 5 8	C 150	C-E-8	LAG PHASE Gap-Out "PATTERN 8"		5 E		C 005												
C-F-9	LAG FAZES "PATTERN 9"		2 3 5 8	2 3 5 8	C 150	C-E-9	LAG PHASE Gap-Out "PATTERN 9"		5 E		C 005												

ALA  
County

262  
Route

00.820  
PM

Fmt  
City

MOHAVE DR./MISSION BLVD. (Rte 262)  
Location



PLAN 1			
CODE	FUNCTION	ENTER	DISPLAY
C-1-0	CYC. LENG.	125 E	C 125
C-1-1	φ 1 SPLIT	15 E	C 015
C-1-2	φ 2 SPLIT	E	C
C-1-3	φ 3 SPLIT	16 E	C 016
C-1-4	φ 4 SPLIT	41 E	C 041
C-1-5	φ 5 SPLIT	15 E	C 015
C-1-6	φ 6 SPLIT	E	C
C-1-7	φ 7 SPLIT	E	C
C-1-8	φ 8 SPLIT	E	C
C-1-A	OFFSET A	102 E	C 102
C-1-B	OFFSET B	E	C
C-1-C	OFFSET C	E	C

PLAN 4			
CODE	FUNCTION	ENTER	DISPLAY
C-4-0	CYC. LENG.	180 E	C 180
C-4-1	φ 1 SPLIT	31 E	C 031
C-4-2	φ 2 SPLIT	E	C
C-4-3	φ 3 SPLIT	17 E	C 017
C-4-4	φ 4 SPLIT	34 E	C 034
C-4-5	φ 5 SPLIT	20 E	C 020
C-4-6	φ 6 SPLIT	E	C
C-4-7	φ 7 SPLIT	E	C
C-4-8	φ 8 SPLIT	E	C
C-4-A	OFFSET A	156 E	C 156
C-4-B	OFFSET B	E	C
C-4-C	OFFSET C	E	C

PLAN 7			
CODE	FUNCTION	ENTER	DISPLAY
C-7-0	CYC. LENG.	165 E	C 165
C-7-1	φ 1 SPLIT	29 E	C 029
C-7-2	φ 2 SPLIT	E	C
C-7-3	φ 3 SPLIT	26 E	C 026
C-7-4	φ 4 SPLIT	41 E	C 041
C-7-5	φ 5 SPLIT	22 E	C 022
C-7-6	φ 6 SPLIT	E	C
C-7-7	φ 7 SPLIT	E	C
C-7-8	φ 8 SPLIT	E	C
C-7-A	OFFSET A	142 E	C 142
C-7-B	OFFSET B	E	C
C-7-C	OFFSET C	E	C

COORD MAX RECALL				
CODE	PLAN	ENTER	CALL LAMPS	TIMING DATA
D-D-1	1			d
D-D-2	2			d
D-D-3	3			d
D-D-4	4			d
D-D-5	5			d
D-D-6	6			d
D-D-7	7			d
D-D-8	8			d
D-D-9	9			d

PLAN 2			
CODE	FUNCTION	ENTER	DISPLAY
C-2-0	CYC. LENG.	165 E	C 165
C-2-1	φ 1 SPLIT	23 E	C 023
C-2-2	φ 2 SPLIT	E	C
C-2-3	φ 3 SPLIT	17 E	C 017
C-2-4	φ 4 SPLIT	34 E	C 034
C-2-5	φ 5 SPLIT	20 E	C 020
C-2-6	φ 6 SPLIT	E	C
C-2-7	φ 7 SPLIT	E	C
C-2-8	φ 8 SPLIT	E	C
C-2-A	OFFSET A	161 E	C 161
C-2-B	OFFSET B	E	C
C-2-C	OFFSET C	E	C

PLAN 5			
CODE	FUNCTION	ENTER	DISPLAY
C-5-0	CYC. LENG.	135 E	C 135
C-5-1	φ 1 SPLIT	22 E	C 022
C-5-2	φ 2 SPLIT	E	C
C-5-3	φ 3 SPLIT	18 E	C 018
C-5-4	φ 4 SPLIT	16 E	C 016
C-5-5	φ 5 SPLIT	19 E	C 019
C-5-6	φ 6 SPLIT	E	C
C-5-7	φ 7 SPLIT	E	C
C-5-8	φ 8 SPLIT	E	C
C-5-A	OFFSET A	8 E	C 008
C-5-B	OFFSET B	E	C
C-5-C	OFFSET C	E	C

PLAN 8			
CODE	FUNCTION	ENTER	DISPLAY
C-8-0	CYC. LENG.	150 E	C 150
C-8-1	φ 1 SPLIT	23 E	C 023
C-8-2	φ 2 SPLIT	E	C
C-8-3	φ 3 SPLIT	20 E	C 020
C-8-4	φ 4 SPLIT	41 E	C 041
C-8-5	φ 5 SPLIT	20 E	C 020
C-8-6	φ 6 SPLIT	E	C
C-8-7	φ 7 SPLIT	E	C
C-8-8	φ 8 SPLIT	E	C
C-8-A	OFFSET A	128 E	C 128
C-8-B	OFFSET B	E	C
C-8-C	OFFSET C	E	C

COORD MIN RECALL				
CODE	PLAN	ENTER	CALL LAMPS	TIMING DATA
D-E-1	1			d
D-E-2	2			d
D-E-3	3			d
D-E-4	4			d
D-E-5	5			d
D-E-6	6			d
D-E-7	7			d
D-E-8	8			d
D-E-9	9			d

PLAN 3			
CODE	FUNCTION	ENTER	DISPLAY
C-3-0	CYC. LENG.	230 E	C 230
C-3-1	φ 1 SPLIT	31 E	C 031
C-3-2	φ 2 SPLIT	E	C
C-3-3	φ 3 SPLIT	17 E	C 017
C-3-4	φ 4 SPLIT	34 E	C 034
C-3-5	φ 5 SPLIT	20 E	C 020
C-3-6	φ 6 SPLIT	E	C
C-3-7	φ 7 SPLIT	E	C
C-3-8	φ 8 SPLIT	E	C
C-3-A	OFFSET A	8 E	C 008
C-3-B	OFFSET B	E	C
C-3-C	OFFSET C	E	C

PLAN 6			
CODE	FUNCTION	ENTER	DISPLAY
C-6-0	CYC. LENG.	135 E	C 135
C-6-1	φ 1 SPLIT	24 E	C 024
C-6-2	φ 2 SPLIT	E	C
C-6-3	φ 3 SPLIT	21 E	C 021
C-6-4	φ 4 SPLIT	24 E	C 024
C-6-5	φ 5 SPLIT	8 E	C 008
C-6-6	φ 6 SPLIT	E	C
C-6-7	φ 7 SPLIT	E	C
C-6-8	φ 8 SPLIT	E	C
C-6-A	OFFSET A	40 E	C 040
C-6-B	OFFSET B	E	C
C-6-C	OFFSET C	E	C

PLAN 9			
CODE	FUNCTION	ENTER	DISPLAY
C-9-0	CYC. LENG.	135 E	C 135
C-9-1	φ 1 SPLIT	18 E	C 018
C-9-2	φ 2 SPLIT	E	C
C-9-3	φ 3 SPLIT	19 E	C 019
C-9-4	φ 4 SPLIT	41 E	C 041
C-9-5	φ 5 SPLIT	16 E	C 016
C-9-6	φ 6 SPLIT	E	C
C-9-7	φ 7 SPLIT	E	C
C-9-8	φ 8 SPLIT	E	C
C-9-A	OFFSET A	113 E	C 113
C-9-B	OFFSET B	E	C
C-9-C	OFFSET C	E	C

COORD PED RECALL				
CODE	PLAN	ENTER	CALL LAMPS	TIMING DATA
D-F-1	1			d
D-F-2	2			d
D-F-3	3			d
D-F-4	4			d
D-F-5	5			d
D-F-6	6			d
D-F-7	7			d
D-F-8	8			d
D-F-9	9			d

06/13/13

ALA 262 00.820  
County Route PM

Fmt  
City

MOHAVE DR./MISSION BLVD. (Rte 262)  
Location

CONTROL CODE "7"											
TIME OF DAY ACTIVITY TABLE											
KEY STROKES 7 + EVENT # + HOUR + MIN + ACT CODE + "E" + ON/OFF + DOW LTS											
EVENT #	TIME	ACTIVITY CODE	DEPRESS "E"	DAY OF THE WEEK							
				ON/OFF	SET DISPLAY LIGHTS 1-7						
				LIGHT	SUN	MON	TUE	WED	THUR	FRI	SAT
				0	1	2	3	4	5	6	7
0	0500	2	E	ON		X	X	X	X	X	
1	2200	2	E	OFF	X	X	X	X	X	X	
2	1000	2	E	ON	X						X
3			E								
4			E								
5			E								
6			E								
7			E								
8			E								
9			E								
A			E								
B			E								
C			E								
D			E								
E			E								
F			E								

CONTROL CODE "9"													
TIME OF DAY SELECTION FOR COORDINATED CONTROL PLANS													
KEY STROKES 9 + EVENT # + HOUR + MIN + Control Plan + Offset + "E" + DOW LTS													
DATE	BY	EVENT #	TIME	CONTROL PLAN	OFFSET	DEPRESS "E"	DAY OF THE WEEK						
							SET DISPLAY LIGHTS 1-7						
							SUN	MON	TUE	WED	THUR	FRI	SAT
							1	2	3	4	5	6	7
		0	0545	3	A	E		X	X	X	X	X	
		1	1100	2	A	E		X	X	X	X	X	
		2	2200	E		E	X	X	X	X	X	X	X
		3				E							
		4				E							
		5				E							
		6				E							
		7				E							
		8	0800	2	A	E	X						X
		9				E							
		A				E							
		B				E							
		C				E							
		D				E							
		E				E							
		F				E							

"7" KEY ACTIVITY CODE

- 1=TYPE OF SIMULTANEOUS PHASE TERMINATION
- 2=MAX 2 FAZES
- 3=MAX 3 FAZES
- 4=CONDITIONAL SERVICE (1ST SELECT) FAZES SET AT E-F-0
- 5=CONDITIONAL SERVICE (2ND SELECT) FAZES SET AT E-F-1
- 6=ENERGIZE AUX 6 RED
- 7=ENERGIZE AUX 6 GREEN
- 8=ENERGIZE AUX 6 YELLOW
- 9=CONSTANT CALL ON FAZES SET AT D-F-A
- A=TRAFFIC ACTUATED MAX 2 OPERATION
- B=CONSTANT CALL ON FAZES SET AT D-F-B
- C=YELLOW YIELD COORDINATION
- D=YELLOW YIELD COORDINATION
- E=COORD FREE IF F-D-4 = 0
- F=FLASHING OPERATION

06/13/13

ALA  
County

262  
Route

00.820  
PM

Fmt  
City

MOHAVE DR./MISSION BLVD. (Rte 262)  
Location

### INPUT FILE - 332 CABINET

6/13/2013

1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>111U</b> EX,CT 1110U TB2 1,2 F-C1/56 D E	<b>212U</b> EX,CT 211U TB2 5,6 F-C1/39 D E	<b>213U</b> EX,CT 2113U TB2 9,10 F-C1/63 D E	<b>214U</b> CL,T3 2115U TB4 1,2 F-C1/47 D E	<b>315U</b> EX,CT 3116U TB4 5,6 F-C1/58 D E	<b>416U</b> EX,CT 4117U TB4 9,10 F-C1/41 D E	<b>417U</b> EX,CT 4119U TB6 1,2 F-C1/65 D E	<b>418U</b> CL,T3 411BU TB6 5,6 F-C1/49 D E	<b>119U</b> EX,CT 111CU TB6 9,10 F-C1/60 D E	<b>DC ISO</b> F D E	<b>MANUAL</b> TB8 1,3 F-C1/80 D E	<b>2-PPB</b> 211E TB8 4,6 F-C1-67 D E	<b>6-PPB</b> 612E TB8 7,9 F-C1/68 D E	<b>FLASH SENSE</b> TB8 10,12 F-C1/81 D E
<b>111L</b> EX,CT 1110L TB2 3,4 W-C1/56 J K	<b>212L</b> EX,CT 2112L TB2 7,8 W-C1/43 J K	<b>213L</b> EX 2114L TB2 11,12 W-C1/76 J K	<b>214L</b> CL,T3 2115L TB4 3,4 W-C1/47 J K	<b>315L</b> EX,CT 3116L TB4 7,8 W-C1/58 J K	<b>416L</b> EX,CT 4118L TB4 11,12 W-C1/45 J K	<b>417L</b> EX 411AL TB6 3,4 W-C1/78 J K	<b>418L</b> CL,T3 411BL TB6 7,8 W-C1/49 J K	<b>319L</b> EX,CT 311DL TB6 11,12 W-C1/62 J K	W J K	<b>SPARE 1</b> TB8 2,3 W-C1/53 J K	<b>4-PPB</b> 411F TB8 5,6 W-C1/69 J K	<b>8-PPB</b> 812F TB8 8,9 W-C1/70 J K	<b>STOP TIME</b> TB8 11,12 W-C1/82 J K
<b>5J1U</b> EX,CT 5J20U TB3 1,2 F-C1/55 D E	<b>6J2U</b> EX,CT 6J21U TB3 5,6 F-C1/40 D E	<b>6J3U</b> EX,CT 6J23U TB3 9,10 F-C1/64 D E	<b>6J4U</b> CL,T3 6J25U TB5 1,2 F-C1/48 D E	<b>7J5U</b> EX,CT 7J26U TB5 5,6 F-C1/57 D E	<b>8J6U</b> EX,CT 8J27U TB5 9,10 F-C1/42 D E	<b>8J7U</b> EX,CT 8J29U TB7 1,2 F-C1/66 D E	<b>8J8U</b> CL,T3 8J2BU TB7 5,6 F-C1/50 D E	<b>5J9U</b> EX,CT 5J2CU TB7 9,10 F-C1/59 D E	F D E	<b>SPARE 2</b> TB9 1,3 F-C1/54 D E	<b>EVA PREMT</b> Ø2 & Ø5 TB9 4,2,6 D-Yellow E-Orange K-Blu+Shl	<b>EVB PREMT</b> Ø4 & Ø7 TB9 7,3,9 D-Yellow E-Orange K-Blu+Shl	<b>RR1 PREMT</b> φ2 & φ5 TB9 10,12 F-C1/51 D E
<b>5J1L</b> EX,CT 5J20L TB3 3,4 W-C1/55 J K	<b>6J2L</b> EX,CT 6J22L TB3 7,8 W-C1/44 J K	<b>6J3L</b> EX 6J24L TB3 11,12 W-C1/77 J K	<b>6J4L</b> CL,T3 6J25L TB5 3,4 W-C1/48 J K	<b>7J5L</b> EX,CT 7J26L TB5 7,8 W-C1/57 J K	<b>8J6L</b> EX,CT 8J28L TB5 11,12 W-C1/46 J K	<b>8J7L</b> EX 8J2AL TB7 3,4 W-C1/79 J K	<b>8J8L</b> CL,T3 8J2BL TB7 7,8 W-C1/50 J K	<b>7J9L</b> EX,CT 7J2DL TB7 11,12 W-C1/61 J K	W J K	<b>SPARE 3</b> TB9 2,3 W-C1/75 J K	<b>EVC PREMT</b> Ø6 & Ø1 TB9 5,2,6 J-Yellow E-Orange K-Blu+Shl	<b>EVD PREMT</b> Ø8 & Ø3 TB9 8,3,9 J-Yellow E-Orange K-Blu+Shl	<b>RR2 PREMT</b> φ4 & φ7 TB9 11,12 W-C1/52 J K

### OUTPUT FILE

DC GND

### AUXILIARY

<b>Ø1</b> R-125 C1/16 Y-126 C1/17 G-127 C1/18	<b>Ø2</b> R-128 C1/12 Y-129 C1/13 G-130 C1/15	<b>Ø2P</b> R-113 C1/10 Y-114 C1/35 G-115 C1/11	<b>Ø3</b> R-116 C1/7 Y-117 C1/8 G-118 C1/9	<b>Ø4</b> R-101 C1/4 Y-102 C1/5 G-103 C1/6	<b>Ø4P</b> R-104 C1/2 Y-105 C1/37 G-106 C1/3
<b>Ø5</b> R-131 C1/32 Y-132 C1/33 G-133 C1/34	<b>Ø6</b> R-134 C1/29 Y-135 C1/30 G-136 C1/31	<b>Ø6P</b> R-119 C1/27 Y-120 C1/36 G-121 C1/28	<b>Ø7</b> R-122 C1/24 Y-123 C1/25 G-124 C1/26	<b>Ø8</b> R-107 C1/21 Y-108 C1/22 G-109 C1/23	<b>Ø8P</b> R-110 C1/19 Y-111 C1/38 G-112 C1/20

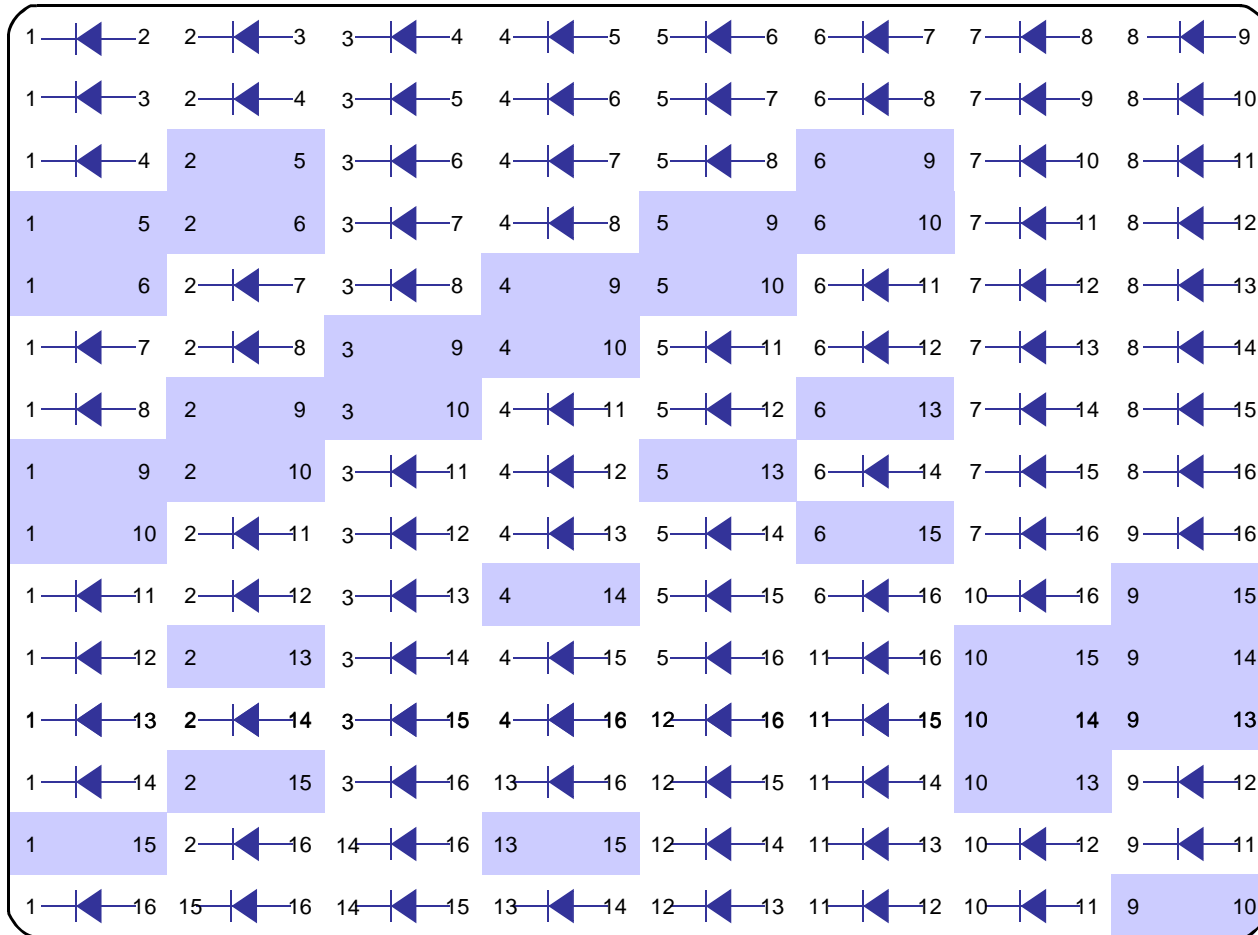
<b>A1(OL'C)</b> R-A121 C1/97 Y-A122 C1/98 G-A123 C1/99	<b>A2(OL'D)</b> R-A124 C1/94 Y-A125 C1/95 G-A126 C1/96	<b>A3</b> R-A111 C1/91 Y-A112 C1/101 G-A113 C1/93	<b>A4(OL'A)</b> R-A114 C1/88 Y-A115 C1/89 G-A116 C1/90	<b>A5(OL'B)</b> R-A101 C1/85 Y-A102 C1/86 G-A103 C1/87	<b>A6</b> R-A104 C1/84 Y-A105 C1/100 G-A106 C1/83
---	---	--	---	---	--

**ALA**      **262**      **00.820**      **Fmt**  
County      Route      PM      City

**MOHAVE DR./MISSION BLVD. (Rte 262)**  
Location

# DIODE CARD

06/13/13



CHANNEL	PIN	LOAD SWITCH ASSIGNMENT		PIN
1	9	Ø1 Y	Ø1 G	J
2	1	Ø2 G	Ø2 Y	A
3	12	Ø3 Y	Ø3 G	M
4	4	Ø4 G	Ø4 Y	D
5	7	Ø5 G	Ø5 Y	H
6	3	Ø6 Y	Ø6 G	B
7	10	Ø7 G	Ø7 Y	L
8	6	Ø8 Y	Ø8 G	E
9G	13	Ø2P Y		
9Y	16	Ø4P Y		
10G			Ø6P Y	R
10Y			Ø8P Y	U
11G			N/U	S
11Y	15	N/U		
12G			N/U	V
12Y	18	N/U		
13G	2	Ø2P G		
13Y	8	N/U		
14G	5	Ø4P G		
14Y	11	N/U		
15G			Ø6P G	C
15Y			N/U	K
16G			Ø8P G	F
16Y			N/U	N

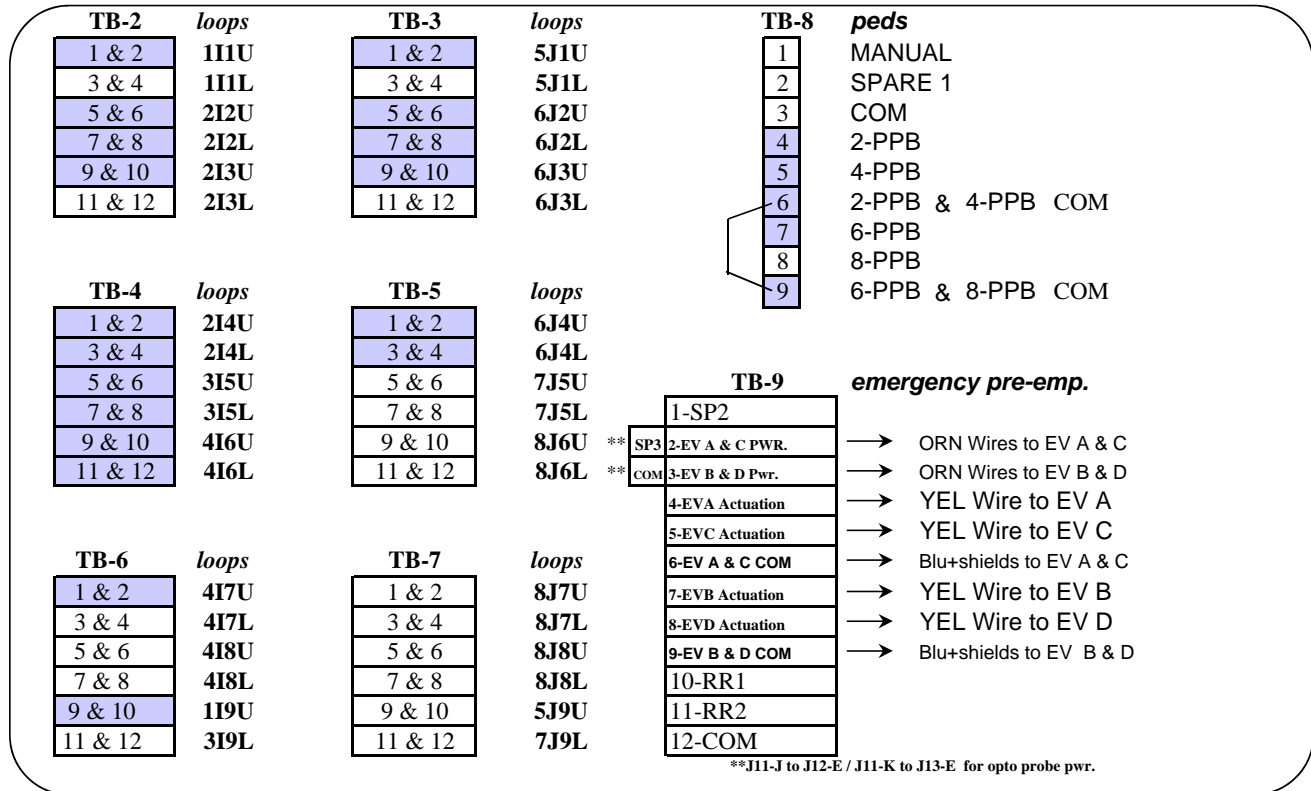


ALA      262      00.820      Fmt      MOHAVE DR./MISSION BLVD. (Rte 262)  
 County      Route      PM      City      Location

# FIELD INPUT/OUTPUT TERMINALS

06/13/13

## FIELD INPUT TERMINALS



## FIELD OUTPUT TERMINALS

101	Ø4 - RED	113	Ø2P - DON'T WALK	125	Ø1 - RED
102	Ø4 - YELLOW	114	OL'A - GREEN	126	Ø1 - YELLOW
103	Ø4 - GREEN	115	Ø2P - WALK	127	Ø1 - GREEN
104	Ø4P - DON'T WALK	116	Ø3 - RED	128	Ø2 - RED
105	OL'A - YELLOW	117	Ø3 - YELLOW	129	Ø2 - YELLOW
106	Ø4P - WALK	118	Ø3 - GREEN	130	Ø2 - GREEN
107	Ø8 - RED	119	Ø6P - DON'T WALK	131	Ø5 - RED
108	Ø8 - YELLOW	120	OL'B - GREEN	132	Ø5 - YELLOW
109	Ø8 - GREEN	121	Ø6P - WALK	133	Ø5 - GREEN
110	Ø8P - DON'T WALK	122	Ø7 - RED	134	Ø6 - RED
111	OL'B - YELLOW	123	Ø7 - YELLOW	135	Ø6 - YELLOW
112	Ø8P - WALK	124	Ø7 - GREEN	136	Ø6 - GREEN

## AUX. FIELD OUTPUT TERMINALS

A101	A5(OL'B) - RED	A111	A3 - RED	A121	A1(OL'C) - RED
A102	A5(OL'B) - YELLOW	A112	A3 - YELLOW	A122	A1(OL'C) - YELLOW
A103	A5(OL'B) - GREEN	A113	A3 - GREEN	A123	A1(OL'C) - GREEN
A104	A6 - RED	A114	A4(OL'A) - RED	A124	A2(OL'D) - RED
A105	A6 - YELLOW	A115	A4(OL'A) - YELLOW	A125	A2(OL'D) - YELLOW
A106	A6 - GREEN	A116	A4(OL'A) - GREEN	A126	A2(OL'D) - GREEN

# Appendix C

---

## Collision Summary

# City of Fremont

**From 1/1/2004 to 12/31/2006**

**Total Collisions: 7**

**Injury Collisions: 4**

**Fatal Collisions: 0**

## Collision Summary Report

**3/8/16**

**MISSION BLVD & MOHAVE DR**

**Page 1 of 2**

1503300	7/3/2004	21:54	Saturday	MISSION BLVD & MOHAVE DR	0'	Direction: Not State	Dark - Street Light	Clear	Pty at Fault:1
	Broadside		Other Motor Vehicle	Traffic Signals and Signs	21453A	Hit & Run: No	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		North	Stopped in Road	Male	Age: 40			
Veh Type:	Not Stated		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		East	Making Left Turn	Male	Age: 34			
Veh Type:	Not Stated		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Deployed		Not Stated		
1627624	9/14/2004	08:20	Tuesday	MISSION BLVD & MOHAVE DR	25'	Direction: North	Daylight	Clear	Pty at Fault:1
	Rear-End		Other Motor Vehicle	Unsafe Speed	22350	Hit & Run: No	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		West	Proceeding Straight	Not State	Age:			
Veh Type:	Passenger Car		Sobriety: Impairment Not Kno	Assoc Factor: Not Stated	Not Stated		Cell Phone Not In Use		
Party 2	Driver		West	Stopped in Road	Female	Age: 40			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Lap/Shoulder Harness Used		No Cell Phone/Unknown		
1825055	1/11/2005	11:57	Tuesday	MISSION BLVD & MOHAVE DR	0'	Direction: Not State	Daylight	Cloudy	Pty at Fault:1
	Broadside		Other Motor Vehicle	Driving Under Influence	23152A	Hit & Run: Misde	Other Visible Injury	# Inj: 1	# Killed: 0
Party 1	Driver		North	Making Right Turn	Male	Age: 16			
Veh Type:	Passenger Car		Sobriety: HBD Under Influenc	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		West	Proceeding Straight	Male	Age: 50			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
2524373	3/9/2006	12:10	Thursday	MISSION BLVD & MOHAVE DR	11'	Direction: East	Daylight	Clear	Pty at Fault:1
	Rear-End		Other Motor Vehicle	Unsafe Speed	22350	Hit & Run: Misde	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		West	Making Left Turn	Male	Age: 57			
Veh Type:	Passenger Car		Sobriety: HBD Impairment Un	Assoc Factor: Not Stated	Not Stated		Not Stated		
Party 2	Driver		West	Stopped in Road	Male	Age: 34			
Veh Type:	Not Stated		Sobriety: HNBD	Assoc Factor: Not Stated	Not Stated		Not Stated		
2847598	8/25/2006	12:00	Friday	MISSION BLVD & MOHAVE DR	28'	Direction: North	Daylight	Clear	Pty at Fault:1
	Rear-End		Other Motor Vehicle	Other		Hit & Run: No	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Driver		West	Proceeding Straight	Male	Age: 44			
Veh Type:	Truck		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		West	Stopped in Road	Female	Age: 57			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		

**MISSION BLVD & MOHAVE DR**

2795185	8/30/2006	12:30	Wednesday	MISSION BLVD & MOHAVE DR	0'	Direction: Not State	Daylight	Clear	Pty at Fault:2
	Rear-End		Other Motor Vehicle	Unsafe Speed	22350	Hit & Run: No	Other Visible Injury	# Inj: 2	# Killed: 0
Party 1	Driver		East	Stopped in Road	Male	Age: 21			
Veh Type:	Pickup Truck		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		East	Changing Lanes	Female	Age: 70			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Stop and Go Traffi	Air Bag Not Deployed		Not Stated		
2893524	11/14/2006	15:55	Tuesday	MISSION BLVD & MOHAVE DR	20'	Direction: West	Daylight	Clear	Pty at Fault:1
	Rear-End		Other Motor Vehicle	Unsafe Speed	22350	Hit & Run: No	Complaint of Pain	# Inj: 3	# Killed: 0
Party 1	Driver		East	Slowing/Stopping	Female	Age: 17			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		North	Stopped in Road	Male	Age: 34			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		

**Settings for Query:**

**Street: MISSION BLVD**  
**Cross Street: MOHAVE DR**  
**Intersection Related: True**  
**Sorted By: Date and Time**



# City of Fremont

**From 1/1/2004 to 12/31/2006**

**Total Collisions: 22**  
**Injury Collisions: 14**  
**Fatal Collisions: 0**

## Collision Summary Report

**3/8/16**

**MISSION BLVD & WARM SPRINGS BLVD**

**Page 1 of 4**

1220468	1/9/2004	09:49	Friday	WARM SPRINGS BLVD & MISSION BLVD		150'	Direction: South	Daylight	Cloudy	Pty at Fault:1
	Rear-End			Other Motor Vehicle	Unsafe Speed	22350	Hit & Run: No	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Driver			North	Proceeding Straight	Female	Age: 32			
Veh Type: Passenger Car				Sobriety: HNBD	Assoc Factor: Not Stated	Lap/Shoulder Harness Used		Not Stated		
Party 2	Driver			North	Stopped in Road	Male	Age: 59			
Veh Type: Passenger Car				Sobriety: HNBD	Assoc Factor: Not Stated	Lap/Shoulder Harness Used		Not Stated		
1264821	2/5/2004	07:35	Thursday	MISSION BLVD & WARM SPRINGS BLVD		15'	Direction: West	Daylight	Clear	Pty at Fault:1
	Sideswipe			Other Motor Vehicle	Unsafe Lane Change	21658A	Hit & Run: Misde	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver			East	Passing Other Vehicle	Not State	Age:			
Veh Type: Motorcycle				Sobriety: Impairment Not Kno	Assoc Factor: Not Stated	Not Stated		Not Stated		
Party 2	Driver			East	Stopped in Road	Male	Age: 29			
Veh Type: Passenger Car				Sobriety: HNBD	Assoc Factor: Not Stated	Lap/Shoulder Harness Used		Cell Phone Not In Use		
1292756	2/22/2004	03:14	Sunday	MISSION BLVD & WARM SPRINGS BLVD		0'	Direction: Not State	Dark - Street Light	Raining	Pty at Fault:1
	Hit Object			Fixed Object	Driving Under Influence	23152A	Hit & Run: No	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver			East	Proceeding Straight	Female	Age: 25			
Veh Type: Not Stated				Sobriety: HBD Under Influen	Assoc Factor: Violation	Air Bag Deployed		Not Stated		
1388250	4/26/2004	13:05	Monday	MISSION BLVD & WARM SPRINGS BLVD		10'	Direction: West	Daylight	Clear	Pty at Fault:2
	Rear-End			Other Motor Vehicle	Unsafe Speed	22350	Hit & Run: No	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Driver			Not State	Stopped in Road	Female	Age: 51			
Veh Type: Passenger Car				Sobriety: HNBD	Assoc Factor: Not Stated	Lap/Shoulder Harness Used		School Bus Related		
Party 2	Driver			East	Making Right Turn	Female	Age: 45			
Veh Type: Passenger Car				Sobriety: HNBD	Assoc Factor: Not Stated	Lap/Shoulder Harness Used		School Bus Related		
1463260	6/10/2004	16:53	Thursday	MISSION BLVD & WARM SPRINGS BLVD		28'	Direction: East	Daylight	Clear	Pty at Fault:1
	Rear-End			Other Motor Vehicle	Unsafe Speed	22350	Hit & Run: No	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver			East	Proceeding Straight	Male	Age: 23			
Veh Type: Passenger Car				Sobriety: HNBD	Assoc Factor: Not Stated	Lap/Shoulder Harness Used		Cell Phone In Use		
Party 2	Driver			East	Proceeding Straight	Female	Age: 38			
Veh Type: Passenger Car				Sobriety: HNBD	Assoc Factor: Not Stated	Lap/Shoulder Harness Used		Cell Phone In Use		
Party 3	Driver			East	Stopped in Road	Male	Age: 57			
Veh Type: Pickup Truck				Sobriety: HNBD	Assoc Factor: Not Stated	Lap/Shoulder Harness Used		Cell Phone In Use		

## MISSION BLVD &amp; WARM SPRINGS BLVD

1579501	7/22/2004	12:50	Thursday	MISSION BLVD & WARM SPRINGS BLVD	60'	Direction: South	Daylight	Clear	Pty at Fault:1
	Rear-End		Other Motor Vehicle	Unsafe Starting or Backing	22106	Hit & Run: No	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Driver		North	Proceeding Straight	Male	Age: 21			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		North	Stopped in Road	Male	Age: 56			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
1536093	7/23/2004	15:10	Friday	WARM SPRINGS BLVD & MISSION BLVD	0'	Direction: Not State	Daylight	Clear	Pty at Fault:
	Broadside		Other Motor Vehicle	Auto R/W Violation	21453C	Hit & Run: No	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		West	Making Left Turn	Male	Age: 40			
Veh Type:	Not Stated		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		East	Making Left Turn	Female	Age: 67			
Veh Type:	Not Stated		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
1641272	9/25/2004	07:18	Saturday	WARM SPRINGS BLVD & MISSION BLVD	24'	Direction: South	Daylight	Clear	Pty at Fault:
	Broadside		Bicycle	Unknown		Hit & Run: No	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Bicyclist		North	Proceeding Straight	Male	Age: 77			
Veh Type:	Bicycle		Sobriety: HNBD	Assoc Factor: Not Stated	Not Stated		Not Stated		
Party 2	Driver		West	Proceeding Straight	Male	Age: 39			
Veh Type:	Not Stated		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
1686581	10/23/2004	15:00	Saturday	WARM SPRINGS BLVD & MISSION BLVD	0'	Direction: Not State	Daylight	Cloudy	Pty at Fault:1
	Rear-End		Other Motor Vehicle	Following Too Closely	21703	Hit & Run: No	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Driver		North	Making Right Turn	Male	Age: 62			
Veh Type:	Not Stated		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		North	Making Right Turn	Male	Age: 40			
Veh Type:	Not Stated		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
1878536	2/12/2005	00:27	Saturday	MISSION BLVD & WARM SPRINGS BLVD	34'	Direction: Not State	Dark - Street Light	Clear	Pty at Fault:1
	Head-On		Other Motor Vehicle	Driving Under Influence	23152A	Hit & Run: Misde	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		East	Making Right Turn	Male	Age: 22			
Veh Type:	Passenger Car		Sobriety: HBD Under Influen	Assoc Factor: Not Stated	Lap/Shoulder Harness Used		Not Stated		
Party 2	Driver		West	Stopped in Road	Female	Age: 19			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Deployed		Not Stated		
1878554	2/14/2005	16:20	Monday	WARM SPRINGS BLVD & MISSION BLVD	44'	Direction: South	Daylight	Raining	Pty at Fault:1
	Rear-End		Other Motor Vehicle	Unsafe Speed	22350	Hit & Run: No	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Driver		North	Slowing/Stopping	Male	Age: 57			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		North	Stopped in Road	Male	Age: 33			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		

## MISSION BLVD &amp; WARM SPRINGS BLVD

2218611	9/9/2005	11:45	Friday	WARM SPRINGS BLVD & MISSION BLVD	2'	Direction: South	Daylight	Cloudy	Pty at Fault:
	Sideswipe		Other Motor Vehicle	Unsafe Lane Change	21658A	Hit & Run: No	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Driver		South	Making Left Turn	Female	Age: 34			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		South	Making Left Turn	Male	Age: 24			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
2233354	9/16/2005	11:40	Friday	MISSION BLVD & WARM SPRINGS BLVD	46'	Direction: East	Daylight	Clear	Pty at Fault:1
	Sideswipe		Motor Vehicle on Othe	Improper Turning	22107	Hit & Run: No	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		North	Changing Lanes	Female	Age: 20			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		North	Proceeding Straight	Female	Age: 53			
Veh Type:	Not Stated		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
2237692	9/24/2005	10:59	Saturday	MISSION BLVD & WARM SPRINGS BLVD	0'	Direction: Not State	Daylight	Clear	Pty at Fault:
	Broadside		Other Motor Vehicle	Unknown		Hit & Run: No	Other Visible Injury	# Inj: 3	# Killed: 0
Party 1	Driver		East	Making Left Turn	Female	Age: 33			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		West	Proceeding Straight	Male	Age: 31			
Veh Type:	Not Stated		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
2304372	10/22/2005	12:47	Saturday	MISSION BLVD & WARM SPRINGS BLVD	78'	Direction: West	Daylight	Clear	Pty at Fault:1
	Rear-End		Other Motor Vehicle	Unsafe Speed	22350	Hit & Run: Misde	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Driver		East	Proceeding Straight	Not State	Age:			
Veh Type:	Passenger Car		Sobriety: Impairment Not Kno	Assoc Factor: Not Stated	Not Stated		Not Stated		
Party 2	Driver		East	Stopped in Road	Male	Age: 43			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 3	Driver		North	Stopped in Road	Female	Age: 35			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
2326149	10/24/2005	04:57	Monday	MISSION BLVD & WARM SPRINGS BLVD	4'	Direction: East	Dark - Street Light	Clear	Pty at Fault:1
	Head-On		Fixed Object	Wrong Side of Road	21650	Hit & Run: No	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Driver		South	Proceeding Straight	Female	Age: 33			
Veh Type:	Passenger Car		Sobriety: Not Applicable	Assoc Factor: Not Stated	Air Bag Deployed		Not Stated		
2421786	11/18/2005	22:30	Friday	WARM SPRINGS BLVD & MISSION BLVD	17'	Direction: South	Dark - Street Light	Clear	Pty at Fault:2
	Other		Other Motor Vehicle	Unsafe Starting or Backing	22106	Hit & Run: No	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Driver		North	Stopped in Road	Female	Age: 25			
Veh Type:	Passenger Car		Sobriety: Impairment Not Kno	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		North	Backing	Male	Age: 21			
Veh Type:	Pickup Truck		Sobriety: Impairment Not Kno	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		

**MISSION BLVD & WARM SPRINGS BLVD**

2411873	11/22/2005	16:42	Tuesday	WARM SPRINGS BLVD & MISSION BLVD	50'	Direction: North	Daylight	Clear	Pty at Fault:1
	Rear-End		Other Motor Vehicle	Unsafe Speed	22350	Hit & Run: No	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		South	Proceeding Straight	Male	Age: 17			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Not Required		Not Stated		
Party 2	Driver		South	Stopped in Road	Male	Age: 37			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
2561605	3/6/2006	09:40	Monday	MISSION BLVD & WARM SPRINGS BLVD	0'	Direction: Not State	Daylight	Clear	Pty at Fault:1
	Rear-End		Other Motor Vehicle	Unsafe Speed	22350	Hit & Run: No	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Driver		East	Proceeding Straight	Male	Age: 26			
Veh Type:	Other Bus		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		East	Proceeding Straight	Female	Age: 31			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
2782732	8/11/2006	21:41	Friday	WARM SPRINGS BLVD & MISSION BLVD	100'	Direction: South	Dark - Street Light	Clear	Pty at Fault:1
	Rear-End		Other Motor Vehicle	Unsafe Starting or Backing	22106	Hit & Run: No	Complaint of Pain	# Inj: 2	# Killed: 0
Party 1	Driver		North	Backing	Female	Age: 62			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		North	Stopped in Road	Male	Age: 29			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
2916331	11/28/2006	06:30	Tuesday	MISSION BLVD & WARM SPRINGS BLVD	40'	Direction: East	Dusk - Dawn	Clear	Pty at Fault:1
	Rear-End		Other Motor Vehicle	Unsafe Speed	22350	Hit & Run: Felony	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Driver		West	Proceeding Straight	Male	Age:			
Veh Type:	Passenger Car		Sobriety: Impairment Not Kno	Assoc Factor: Not Stated	Not Stated		Not Stated		
Party 2	Driver		West	Slowing/Stopping	Female	Age: 44			
Veh Type:	Not Stated		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
2938315	12/1/2006	14:53	Friday	MISSION BLVD & WARM SPRINGS BLVD	3'	Direction: West	Daylight	Clear	Pty at Fault:1
	Broadside		Other Motor Vehicle	Other Hazardous Movement	21451A	Hit & Run: No	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		South	Making Right Turn	Male	Age: 74			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		West	Proceeding Straight	Male	Age: 38			
Veh Type:	Truck with Trailer		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		

**Settings for Query:**

**Street: MISSION BLVD**

**Cross Street: WARM SPRINGS BLVD**

**Intersection Related: True**

**Sorted By: Date and Time**

# City of Fremont

**From 1/1/2004 to 12/31/2006**

**Total Collisions: 14**

**Injury Collisions: 6**

**Fatal Collisions: 0**

## Collision Summary Report

**3/8/16**

**AUTO MALL PKWY & OSGOOD RD**

**Page 1 of 3**

1248395	1/28/2004	16:48	Wednesday	AUTO MALL PKWY & OSGOOD RD	0'	Direction: Not State	Daylight	Clear	Pty at Fault:1
	Rear-End			Other Motor Vehicle	22350	Unsafe Speed	Hit & Run: No	Complaint of Pain	# Inj: 1 # Killed: 0
Party 1	Driver		East	Slowing/Stopping	Male	Age: 42			
Veh Type:	Pickup Truck		Sobriety: HNBD	Assoc Factor: Not Stated	Lap/Shoulder	Harness Used	Cell Phone In Use		
Party 2	Driver		East	Stopped in Road	Male	Age: 31			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Lap/Shoulder	Harness Used	Cell Phone Not In Use		
1303054	2/22/2004	14:35	Sunday	AUTO MALL PKWY & OSGOOD RD	0'	Direction: Not State	Daylight	Cloudy	Pty at Fault:2
	Rear-End			Other Motor Vehicle	21703	Following Too Closely	Hit & Run: No	Property Damage Only	# Inj: 0 # Killed: 0
Party 1	Driver		East	Slowing/Stopping	Male	Age: 41			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Lap/Shoulder	Harness Used	Cell Phone In Use		
Party 2	Driver		East	Proceeding Straight	Female	Age: 36			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Lap/Shoulder	Harness Used	Cell Phone In Use		
1633037	6/22/2004	16:45	Tuesday	AUTO MALL PKWY & OSGOOD RD	34'	Direction: East	Daylight	Clear	Pty at Fault:1
	Rear-End			Other Motor Vehicle	22350	Unsafe Speed	Hit & Run: No	Complaint of Pain	# Inj: 1 # Killed: 0
Party 1	Driver		West	Proceeding Straight	Female	Age: 16			
Veh Type:	Not Stated		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		West	Slowing/Stopping	Male	Age: 37			
Veh Type:	Not Stated		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
1673849	10/7/2004	06:51	Thursday	AUTO MALL PKWY & OSGOOD RD	0'	Direction: Not State	Daylight	Cloudy	Pty at Fault:1
	Broadside			Other Motor Vehicle	21453A	Traffic Signals and Signs	Hit & Run: No	Complaint of Pain	# Inj: 1 # Killed: 0
Party 1	Driver		East	Proceeding Straight	Female	Age: 27			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Deployed		No Cell Phone/Unknown		
Party 2	Driver		North	Proceeding Straight	Female	Age: 25			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Lap/Shoulder	Harness Used	No Cell Phone/Unknown		
Party 3	Driver		West	Stopped in Road	Female	Age: 46			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Lap/Shoulder	Harness Used	No Cell Phone/Unknown		

**AUTO MALL PKWY & OSGOOD RD**

1720610	11/4/2004	20:00	Thursday	AUTO MALL PKWY & OSGOOD RD	0'	Direction: Not State	Dark - Street Light	Clear	Pty at Fault:1
	Broadside		Other Motor Vehicle	Pedestrian Violation	21451C	Hit & Run: No	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Driver		South	Proceeding Straight		Female	Age: 39		
Veh Type:	Not Stated		Sobriety: HNBD	Assoc Factor: Not Stated		Air Bag Not Deployed		Not Stated	
Party 2	Driver		North	Making Left Turn		Male	Age: 39		
Veh Type:	Not Stated		Sobriety: HNBD	Assoc Factor: Not Stated		Not Required		Not Stated	
1812255	1/3/2005	08:45	Monday	AUTO MALL PKWY & OSGOOD RD	25'	Direction: East	Daylight	Cloudy	Pty at Fault:1
	Rear-End		Other Motor Vehicle	Unsafe Speed	22350	Hit & Run: No	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		West	Slowing/Stopping		Male	Age: 22		
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated		Air Bag Not Deployed		Not Stated	
Party 2	Driver		West	Stopped in Road		Female	Age: 33		
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated		Air Bag Not Deployed		Not Stated	
2218584	7/6/2005	16:15	Wednesday	AUTO MALL PKWY & OSGOOD RD	10'	Direction: East	Daylight	Clear	Pty at Fault:1
	Sideswipe		Other Motor Vehicle	Auto R/W Violation	21803A	Hit & Run: Misde	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		North	Making Right Turn		Not State	Age:		
Veh Type:	Passenger Car		Sobriety: Impairment Not Kno	Assoc Factor: Not Stated		Not Stated		Not Stated	
Party 2	Driver		East	Proceeding Straight		Male	Age: 35		
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated		Air Bag Not Deployed		Not Stated	
2136773	7/23/2005	10:15	Saturday	AUTO MALL PKWY & OSGOOD RD	0'	Direction: Not State	Daylight	Clear	Pty at Fault:1
	Broadside		Other Motor Vehicle	Traffic Signals and Signs	21453A	Hit & Run: No	Complaint of Pain	# Inj: 2	# Killed: 0
Party 1	Driver		East	Proceeding Straight		Male	Age: 23		
Veh Type:	Pickup Truck		Sobriety: HNBD	Assoc Factor: Not Stated		Air Bag Deployed		Not Stated	
Party 2	Driver		North	Proceeding Straight		Male	Age: 64		
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated		Air Bag Not Deployed		Not Stated	
Party 3	Driver		West	Stopped in Road		Female	Age: 70		
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated		Air Bag Not Deployed		Not Stated	
Party 4	Driver		North	Making Right Turn		Female	Age: 25		
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated		Air Bag Not Deployed		Not Stated	
2421774	1/2/2006	11:58	Monday	AUTO MALL PKWY & OSGOOD RD	0'	Direction: Not State	Daylight	Raining	Pty at Fault:1
	Sideswipe		Other Motor Vehicle	Unsafe Lane Change	21658A	Hit & Run: No	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		East	Changing Lanes		Female	Age: 45		
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated		Air Bag Not Deployed		Not Stated	
Party 2	Driver		East	Proceeding Straight		Female	Age: 46		
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated		Air Bag Not Deployed		Not Stated	

**AUTO MALL PKWY & OSGOOD RD**

2487452	2/7/2006	16:35	Tuesday	AUTO MALL PKWY & OSGOOD RD	50'	Direction: East	Daylight	Clear	Pty at Fault:1
	Rear-End		Other Motor Vehicle	Unsafe Speed	22350	Hit & Run: No	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Driver		West	Proceeding Straight	Male	Age: 27			
Veh Type:	Motorcycle		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		West	Slowing/Stopping	Female	Age: 45			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
2644968	5/25/2006	13:30	Thursday	OSGOOD RD & AUTO MALL PKWY	0'	Direction: Not State	Daylight	Clear	Pty at Fault:1
	Broadside		Other Motor Vehicle	Auto R/W Violation	21804A	Hit & Run: No	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		East	Making Left Turn	Female	Age: 40			
Veh Type:	Pickup Truck		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		South	Proceeding Straight	Male	Age: 87			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Deployed		Not Stated		
2736677	7/25/2006	13:40	Tuesday	OSGOOD RD & AUTO MALL PKWY	0'	Direction: Not State	Daylight	Clear	Pty at Fault:1
	Hit Object		Fixed Object	Improper Turning	22107	Hit & Run: No	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		North	Making Right Turn	Not State	Age:			
Veh Type:	Not Stated		Sobriety: Impairment Not Kno	Assoc Factor: Not Stated	Not Stated		Not Stated		
2893548	11/7/2006	11:30	Tuesday	AUTO MALL PKWY & OSGOOD RD	0'	Direction: Not State	Daylight	Clear	Pty at Fault:
	Head-On		Other Motor Vehicle	Traffic Signals and Signs	21453A	Hit & Run: No	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		North	Making Left Turn	Female	Age: 54			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 2	Driver		West	Proceeding Straight	Male	Age: 21			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Deployed		Not Stated		
2938320	12/1/2006	15:00	Friday	AUTO MALL PKWY & OSGOOD RD	35'	Direction: East	Daylight	Clear	Pty at Fault:2
	Rear-End		Other Motor Vehicle	Unsafe Speed	22350	Hit & Run: Misde	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		East	Proceeding Straight	Male	Age: 27			
Veh Type:	Pickup Truck		Sobriety: HBD Impairment Un	Assoc Factor: Not Stated	Air Bag Deployed		Not Stated		
Party 2	Driver		East	Stopped in Road	Female	Age: 79			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 3	Driver		East	Proceeding Straight	Not State	Age:			
Veh Type:	Pickup Truck		Sobriety: HBD Impairment Un	Assoc Factor: Not Stated	Not Stated		Not Stated		

**Settings for Query:**

**Street: AUTO MALL PKWY**  
**Cross Street: OSGOOD RD**  
**Intersection Related: True**  
**Sorted By: Date and Time**

# City of Fremont

**From 1/1/2004 to 12/31/2006**

**Total Collisions: 9**  
**Injury Collisions: 6**  
**Fatal Collisions: 0**

## Collision Summary Report

**3/8/16**

**MOWRY AVE & ARGONAUT WAY**

**Page 1 of 2**

1921957	3/14/2005	14:55	Monday	MOWRY AVE & ARGONAUT WAY	0'	Direction: Not State	Daylight	Clear	Pty at Fault:1
	Broadside		Other Motor Vehicle	Traffic Signals and Signs	21453A	Hit & Run: No	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Driver		West	Proceeding Straight	Female	Age: 19			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Deployed		Not Stated		
Party 2	Driver		South	Proceeding Straight	Female	Age: 46			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
1941942	3/14/2005	16:26	Monday	MOWRY AVE & ARGONAUT WAY	0'	Direction: Not State	Daylight	Clear	Pty at Fault:1
	Rear-End		Pedestrian	Wrong Side of Road	216501	Hit & Run: No	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Bicyclist		North	Proceeding Straight	Male	Age: 14			
Veh Type:	Bicycle		Sobriety: HNBD	Assoc Factor: Not Stated	Not Stated		Not Stated		
Party 2	Pedestrian		North	Proceeding Straight	Female	Age: 36			
Veh Type:	Pedestrian		Sobriety: HNBD	Assoc Factor: Not Stated	Not Stated		Not Stated		
1930161	3/16/2005	23:04	Wednesday	MOWRY AVE & ARGONAUT WAY	0'	Direction: Not State	Dark - Street Light	Clear	Pty at Fault:
	Broadside		Other Motor Vehicle	Unknown		Hit & Run: No	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		North	Making Left Turn	Male	Age: 19			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Lap/Shoulder Harness Used		Not Stated		
Party 2	Driver		West	Proceeding Straight	Male	Age: 30			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Lap/Shoulder Harness Used		Not Stated		
2074850	6/1/2005	23:30	Wednesday	MOWRY AVE & ARGONAUT WAY	0'	Direction: Not State	Dark - Street Light	Clear	Pty at Fault:1
	Sideswipe		Other Motor Vehicle	Unsafe Lane Change	21658A	Hit & Run: Misde	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		West	Changing Lanes	Not State	Age:			
Veh Type:	Pickup Truck		Sobriety: Impairment Not Kno	Assoc Factor: Not Stated	Not Stated		Not Stated		
Party 2	Driver		West	Proceeding Straight	Female	Age: 20			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
2185095	8/18/2005	14:23	Thursday	MOWRY AVE & ARGONAUT WAY	0'	Direction: Not State	Daylight	Clear	Pty at Fault:1
	Broadside		Other Motor Vehicle	Traffic Signals and Signs	21453A	Hit & Run: No	Other Visible Injury	# Inj: 1	# Killed: 0
Party 1	Driver		West	Proceeding Straight	Female	Age: 59			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Deployed		Not Stated		
Party 2	Driver		South	Proceeding Straight	Male	Age: 73			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Deployed		Not Stated		



**MOWRY AVE & ARGONAUT WAY**

2326067	10/7/2005	01:50	Friday	MOWRY AVE & ARGONAUT WAY	10'	Direction: West	Dark - Street Light	Clear	Pty at Fault:1
	Hit Object		Fixed Object	Unsafe Lane Change	21658A	Hit & Run: No	Other Visible Injury	# Inj: 1	# Killed: 0
Party 1	Driver		West	Changing Lanes	Male	Age: 17			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Deployed		Not Stated		
2326102	11/5/2005	03:32	Saturday	MOWRY AVE & ARGONAUT WAY	39'	Direction: East	Dark - Street Light	Clear	Pty at Fault:1
	Hit Object		Fixed Object	Driving Under Influence	23152A	Hit & Run: No	Property Damage Only	# Inj: 0	# Killed: 0
Party 1	Driver		South	Ran Off Road	Male	Age: 50			
Veh Type:	Pickup Truck		Sobriety: HBD Under Influen	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
2546830	3/13/2006	23:00	Monday	MOWRY AVE & ARGONAUT WAY	0'	Direction: Not State	Dark - Street Light	Raining	Pty at Fault:1
	Rear-End		Other Motor Vehicle	Unsafe Speed	22350	Hit & Run: No	Complaint of Pain	# Inj: 1	# Killed: 0
Party 1	Driver		East	Slowing/Stopping	Female	Age: 21			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Deployed		Not Stated		
Party 2	Driver		East	Stopped in Road	Male	Age: 26			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 3	Driver		East	Stopped in Road	Male	Age: 45			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
2644999	5/20/2006	17:20	Saturday	MOWRY AVE & ARGONAUT WAY	105'	Direction: West	Daylight	Cloudy	Pty at Fault:1
	Rear-End		Other Motor Vehicle	Unsafe Speed	22350	Hit & Run: No	Complaint of Pain	# Inj: 3	# Killed: 0
Party 1	Driver		East	Slowing/Stopping	Male	Age: 35			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Deployed		Not Stated		
Party 2	Driver		East	Stopped in Road	Male	Age: 47			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Deployed		Not Stated		
Party 3	Driver		East	Stopped in Road	Female	Age: 41			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Deployed		Not Stated		
Party 4	Driver		East	Stopped in Road	Female	Age: 34			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		
Party 5	Driver		East	Stopped in Road	Male	Age: 30			
Veh Type:	Passenger Car		Sobriety: HNBD	Assoc Factor: Not Stated	Air Bag Not Deployed		Not Stated		

**Settings for Query:****Street: MOWRY AVE****Cross Street: ARGONAUT WAY****Intersection Related: True****Sorted By: Date and Time**

**City of Fremont  
Public Works Department**

**Collision Report Summary**

2/19/2016

**Date Range Reported: 1/1/07 - 5/31/15**

**Total Number of Collisions: 24**

**Total Number of Persons Injured 15**

**Total Number of Persons Killed: 0**

Report#	Date	Time	Location	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Dir. of Travel 1	Movement Prec. Coll. 1	Dir. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil.
3330630	8/26/07	09:01	Mission Blvd & Mohave Dr (mp.82)	0'	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	1	0
3468521	11/14/07	12:56	Mission Blvd & Mohave Dr (mp.83)	40'	East	Rear-End	Other Motor Vehicle	South	Proceeding Straight	West	Stopped in Road	Unsafe Speed	1	0
3515480	12/6/07	08:10	Mission Blvd & Mohave Dr (mp.84)	117'	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
3574412	1/15/08	17:07	Mission Blvd & Mohave Dr (mp.83)	0'	In Int.	Sideswipe	Other Motor Vehicle	East	Making Right Turn	West	Making Left Turn	Auto R/W Violation	0	0
3862383	8/1/08	15:56	Mission Blvd & Mohave Dr (mp.8)	110'	West	Sideswipe	Other Motor Vehicle	North	Stopped in Road	North	Slowing/Stopping	Other Hazardous Movement	1	0
3941997	10/14/08	09:58	Mission Blvd & Mohave Dr	1531'	North	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
4007330	12/28/08	12:34	Mission Blvd & Mohave Dr	110'	East	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	1	0
4379422	8/6/09	16:30	Mission Blvd & Mohave Dr	518'	East	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	3	0
4727505	5/18/10	10:28	Mission Blvd & Mohave Dr (mp.92)	532'	East	Broadside	Other Motor Vehicle	North	Making Right Turn	East	Proceeding Straight	Auto R/W Violation	0	0
4883316	8/30/10	06:01	Mission Blvd & Mohave Dr	0'	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	West	Making Left Turn	Traffic Signals and Signs	1	0
4887026	9/18/10	19:39	Mission Blvd & Mohave Dr	1484'	East	Rear-End	Other Motor Vehicle	East	Slowing/Stopping	East	Stopped in Road	Unsafe Speed	0	0
5203556	5/31/11	15:26	Mission Blvd & Mohave Dr	119'	North	Sideswipe	Other Motor Vehicle	South	Proceeding Straight	South	Proceeding Straight	Unsafe Lane Change	0	0

Report#	Date	Time	Location	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Dir. of Travel 1	Movement Prec. Coll. 1	Dir. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil.
5438932	12/8/11	18:19	Mission Blvd & Mohave Dr	0'	In Int.	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Slowing/Stopping	Unsafe Speed	1	0
5596531	4/17/12	20:37	Mission Blvd & Mohave Dr (mp.88)	322'	East	Overtaken	Fixed Object	West	Ran Off Road	West	Changing Lanes	Unsafe Lane Change	0	0
5628498	5/9/12	12:39	Mission Blvd & Mohave Dr (mp.87)	273'	East	Vehicle - Pedestrian	Pedestrian	East	Proceeding Straight	East	Not Stated	Unknown	1	0
5780714	7/27/12	16:30	Mission Blvd & Mohave Dr (mp.83)	0'	In Int.	Rear-End	Other Motor Vehicle	West	Slowing/Stopping	West	Stopped in Road	Unsafe Speed	2	0
5953839	8/1/12	19:13	Mission Blvd & Mohave Dr (mp.84)	85'	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
6248019	9/26/13	11:02	Mohave Dr & Mission Blvd	7'	South	Vehicle - Pedestrian	Pedestrian	North	Making Right Turn	West	Proceeding Straight	Ped R/W Violation	1	0
130928010	9/28/13	10:21	Mission Blvd & Mohave Dr	368'	East	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Slowing/Stopping	Following Too Closely	0	0
131016028	10/16/13	14:25	Mission Blvd & Mohave Dr	330'	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped In Road	Driving Under Influence	0	0
131123026	11/23/13	17:44	Mission Blvd & Mohave Dr	295'	East	Broadside	Other Motor Vehicle	East	Making Left Turn	West	Stopped In Road	Wrong Side of Road	1	0
140121019	1/21/14	14:00	Mission Blvd & Mohave Dr	0'	In Int.	Broadside	Bicycle	North	Making Right Turn	West	Proceeding Straight	Improper Turning	1	0
140524009	5/24/14	02:38	Mission Blvd & Mohave Dr	0'	In Int.	Sideswipe	Other Motor Vehicle	North	Changing Lanes	North	Proceeding Straight	Unsafe Lane Change	0	0
150114038	1/15/15	20:02	Mission Blvd & Mohave Dr	158'	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped In Road	Unsafe Speed	0	0

**City of Fremont  
Public Works Department**

**Collision Report Summary**

2/19/2016

Date Range Reported: 1/1/07 - 5/31/15

Total Number of Collisions: 50

Total Number of Persons Injured 49

Total Number of Persons Killed: 1

Report#	Date	Time	Location	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Dir. of Travel 1	Movement Prec. Coll. 1	Dir. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil.
3030646	2/5/07	10:40	Mission Blvd & Warm Springs Blvd (mp.64)	55'	Not Stated	Rear-End	Other Motor Vehicle	East	Stopped in Road	East	Proceeding Straight	Other	0	0
3097301	3/1/07	05:00	Mission Blvd & Warm Springs Blvd (mp.66)	0'	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Slowing/Stopping	Unsafe Speed	0	0
3137881	4/7/07	19:28	Mission Blvd & Warm Springs Blvd (mp1.06)	271'	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Driving Under Influence	2	0
3137873	4/13/07	19:00	Warm Springs Blvd & Mission Blvd	417'	South	Broadside	Other Motor Vehicle	South	Making Left Turn	North	Proceeding Straight	Auto R/W Violation	2	0
3137069	4/18/07	18:54	Mission Blvd & Warm Springs Blvd (mp.68)	176'	East	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Proceeding Straight	Following Too Closely	1	0
3155756	5/3/07	17:18	Warm Springs Blvd & Mission Blvd	20'	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
3230623	5/17/07	22:06	Mission Blvd & Warm Springs Blvd (mp.65)	0'	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	North	Stopped in Road	Traffic Signals and Signs	0	0
3289889	7/19/07	08:07	Warm Springs Blvd & Mission Blvd (mp.65)	63'	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	1	0
3286390	7/21/07	15:20	Mission Blvd & Warm Springs Blvd (mp.66)	35'	East	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Unsafe Lane Change	0	0
3373323	9/7/07	21:16	Warm Springs Blvd & Mission Blvd (mp.65)	69'	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	3	0
3472163	11/24/07	09:28	Warm Springs Blvd & Mission Blvd (mp.65)	233'	North	Hit Object	Fixed Object	North	Making Right Turn			Unsafe Speed	0	0
3586331	1/3/08	06:39	Mission Blvd & Warm Springs Blvd	0'	In Int.	Head-On	Other Motor Vehicle	West	Making Left Turn	East	Proceeding Straight	Auto R/W Violation	1	0

Report#	Date	Time	Location	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Dir. of Travel 1	Movement Prec. Coll. 1	Dir. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil.
3582150	1/18/08	03:16	Mission Blvd & Warm Springs Blvd (mp.66)	0'	In Int.	Hit Object	Fixed Object	West	Proceeding Straight			Driving Under Influence	1	0
3682199	4/4/08	17:50	Warm Springs Blvd & Mission Blvd (mp.65)	31'	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	2	0
3682221	4/5/08	12:44	Mission Blvd & Warm Springs Blvd (mp.73)	400'	East	Rear-End	Other Motor Vehicle	South	Changing Lanes	West	Stopped in Road	Unsafe Speed	1	0
3755581	5/31/08	15:55	Mission Blvd & Warm Springs Blvd	0'	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	West	Proceeding Straight	Auto R/W Violation	0	0
3764366	6/17/08	07:09	Mission Blvd & Warm Springs Blvd	0'	In Int.	Rear-End	Other Motor Vehicle	West	Slowing/Stopping	West	Stopped in Road	Unsafe Speed	2	0
3911540	7/18/08	22:28	Warm Springs Blvd & Mission Blvd (mp.65)	0'	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped in Road	Unsafe Speed	0	0
3811282	8/4/08	16:26	Warm Springs Blvd & Mission Blvd	0'	In Int.	Broadside	Other Motor Vehicle	South	Making Left Turn	North	Proceeding Straight	Auto R/W Violation	1	0
3907141	8/30/08	21:14	Mission Blvd & Warm Springs Blvd (mp.66)	0'	In Int.	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
3855349	9/8/08	14:00	Mission Blvd & Warm Springs Blvd (mp.66)	8'	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	1	0
3865650	9/30/08	17:07	Warm Springs Blvd & Mission Blvd (mp.65)	51'	South	Sideswipe	Other Motor Vehicle	North	Changing Lanes	North	Proceeding Straight	Unsafe Lane Change	1	0
3991056	10/16/08	07:33	Mission Blvd & Warm Springs Blvd	9'	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	1	0
3966891	10/23/08	18:01	Mission Blvd & Warm Springs Blvd	18'	East	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Proceeding Straight	Driving Under Influence	2	0
3966698	11/3/08	09:59	Warm Springs Blvd & Mission Blvd	10'	North	Rear-End	Other Motor Vehicle	South	Making Right Turn	South	Stopped in Road	Unsafe Speed	0	0
4180605	4/23/09	20:06	Mission Blvd & Warm Springs Blvd (mp.65)	17'	South	Broadside	Other Motor Vehicle	East	Proceeding Straight	West	Making Left Turn	Other	2	1
4264753	5/17/09	06:20	Warm Springs Blvd & Mission Blvd	70'	North	Hit Object	Other Object	South	Other Unsafe Turning			Improper Turning	0	0
4580581	1/14/10	17:13	Warm Springs Blvd & Mission Blvd	0'	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	South	Proceeding Straight	Traffic Signals and Signs	0	0

Report#	Date	Time	Location	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Dir. of Travel 1	Movement Prec. Coll. 1	Dir. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil.
4598503	1/29/10	21:10	Mission Blvd & Warm Springs Blvd (mp.66)	30'	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Driving Under Influence	2	0
4602095	2/1/10	13:15	Mission Blvd & Warm Springs Blvd (mp.74)	494'	East	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Proceeding Straight	Unsafe Speed	3	0
4588762	2/6/10	02:30	Mission Blvd & Warm Springs Blvd (mp.66)	0'	In Int.	Hit Object	Fixed Object	West	Proceeding Straight			Driving Under Influence	0	0
4765990	6/21/10	16:00	Warm Springs Blvd & Mission Blvd	30'	South	Sideswipe	Other Motor Vehicle	North	Changing Lanes	North	Changing Lanes	Unknown	1	0
4929308	11/8/10	08:00	Mission Blvd & Warm Springs Blvd	0'	In Int.	Broadside	Other Motor Vehicle	West	Making Left Turn	East	Proceeding Straight	Other Hazardous Movement	1	0
5031156	12/30/10	21:19	Warm Springs Blvd & Mission Blvd	1250'	North	Broadside	Other Motor Vehicle	East	Making Left Turn	North	Proceeding Straight	Auto R/W Violation	2	0
5562498	4/9/11	05:10	Mission Blvd & Warm Springs Blvd (mp.61)	212'	South	Hit Object	Fixed Object	North	Proceeding Straight			Driving Under Influence	2	0
5212989	6/30/11	10:21	Mission Blvd & Warm Springs Blvd (mp.65)	0'	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	East	Proceeding Straight	Traffic Signals and Signs	0	0
5859470	9/17/12	22:10	Warm Springs Blvd & Mission Blvd (mp.65)	0'	In Int.	Broadside	Other Motor Vehicle	East	Proceeding Straight	South	Proceeding Straight	Traffic Signals and Signs	0	0
130501020	5/1/13	16:07	Mission Blvd & Warm Springs Blvd	0'	In Int.	Sideswipe	Parked Motor Vehicle	South	Backing	West	Parked	Other Improper Driving	0	0
130719011	7/19/13	07:35	Mission Blvd & Warm Springs Blvd	308'	East	Rear-End	Other Motor Vehicle	West	Entering Traffic	West	Proceeding Straight	Auto R/W Violation	0	0
130912038	9/12/13	15:58	Warm Springs Blvd & Mission Blvd	430'	South	Broadside	Other Motor Vehicle	South	Making Left Turn	North	Proceeding Straight	Auto R/W Violation	5	0
131201015	11/25/13	14:00	Mission Blvd & Warm Springs Blvd	30'	East	Sideswipe	Other Motor Vehicle	West	Passing Other Vehicle	West	Stopped In Road	Improper Passing	0	0
140126005	1/26/14	07:42	Mission Blvd & Warm Springs Blvd	32'	West	Hit Object	Fixed Object	North	Making Left Turn			Improper Turning	1	0
140419021	3/28/14	10:50	Mission Blvd & Warm Springs Blvd	60'	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped In Road	Unsafe Speed	0	0
140824010	8/24/14	08:42	Mission Blvd & Warm Springs Blvd	0'	In Int.	Broadside	Other Motor Vehicle	North	Making U Turn	West	Proceeding Straight	Auto R/W Violation	1	0

Report#	Date	Time	Location	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Dir. of Travel 1	Movement Prec. Coll. 1	Dir. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil.
150112042	1/12/15	22:09	Mission Blvd & Warm Springs Blvd	0'	In Int.	Broadside	Other Motor Vehicle	South	Making Left Turn	East	Proceeding Straight	Improper Turning	2	0
6838187	1/17/15	11:51	Mission Blvd & Warm Springs Blvd	0'	In Int.	Sideswipe	Other Motor Vehicle	East	Making Right Turn	East	Proceeding Straight	Unsafe Lane Change	2	0
150117011	1/17/15	12:10	Warm Springs Blvd & Mission Blvd	430'	South	Broadside	Other Motor Vehicle	South	Entering Traffic	South	Proceeding Straight	Auto R/W Violation	0	0
150117012	1/18/15	11:51	Mission Blvd & Warm Springs Blvd	0'	In Int.	Sideswipe	Other Motor Vehicle	East	Making Right Turn	East	Proceeding Straight	Unsafe Lane Change	2	0
150204008	2/4/15	08:41	Warm Springs Blvd & Mission Blvd	48'	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped In Road	Unsafe Speed	0	0
150522018	4/19/15	19:28	Mission Blvd & Warm Springs Blvd	0'	In Int.	Sideswipe	Other Motor Vehicle	West	Making Right Turn	South	Proceeding Straight	Auto R/W Violation	0	0

---

## Settings Used For Query

---

<u>Parameter</u>	<u>Setting</u>
Street Name	MOWRY AVE
Cross Street	ARGONAUT WAY
Starting Date	1/1/2007
Ending Date	5/31/2015
Distance from Intersection	>= 0' for non rear-end collisions >= 0' for rear-end collisions



**City of Fremont  
Public Works Department  
Collision Report Summary**

2/19/2016

**Date Range Reported: 1/1/07 - 5/31/15**

**Total Number of Collisions: 26**

**Total Number of Persons Injured 12**

**Total Number of Persons Killed: 1**

Report#	Date	Time	Location	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Dir. of Travel 1	Movement Prec. Coll. 1	Dir. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil.
3074674	3/9/07	16:42	Mowry Ave & Argonaut Way	76'	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	1	0
3497531	12/7/07	10:37	Argonaut Way & Mowry Ave	1584'	South	Sideswipe	Other Motor Vehicle	South	Passing Other Vehicle	South	Stopped in Road	Other Improper Driving	0	0
3593620	1/23/08	18:54	Argonaut Way & Mowry Ave	191'	South	Broadside	Other Motor Vehicle	South	Making Left Turn	North	Proceeding Straight	Auto R/W Violation	1	0
3682203	4/3/08	13:41	Argonaut Way & Mowry Ave	21'	North	Hit Object	Fixed Object	South	Ran Off Road			Driving Under Influence	0	0
3686121	4/15/08	15:09	Mowry Ave & Argonaut Way	30'	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
3747412	5/15/08	18:43	Argonaut Way & Mowry Ave	148'	South	Broadside	Other Motor Vehicle	South	Making Left Turn	North	Proceeding Straight	Driving Under Influence	0	0
3826297	5/25/08	09:14	Mowry Ave & Argonaut Way	44'	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
4023834	12/23/08	20:46	Mowry Ave & Argonaut Way	25'	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	0	0
4100852	1/17/09	14:11	Mowry Ave & Argonaut Way	34'	East	Rear-End	Other Motor Vehicle	West	Stopped in Road	West	Proceeding Straight	Unsafe Speed	1	0
4181167	3/28/09	16:29	Argonaut Way & Mowry Ave	15'	North	Hit Object	Fixed Object	South	Making Right Turn	West	Parked	Driving Under Influence	0	0
4301409	6/2/09	19:12	Argonaut Way & Mowry Ave	11'	North	Broadside	Other Motor Vehicle	East	Proceeding Straight	North	Proceeding Straight	Traffic Signals and Signs	1	0
4686670	4/27/10	17:14	Mowry Ave & Argonaut Way	0'	In Int.	Broadside	Other Motor Vehicle	North	Making Left Turn	East	Proceeding Straight	Traffic Signals and Signs	1	0

Report#	Date	Time	Location	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Dir. of Travel 1	Movement Prec. Coll. 1	Dir. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil.
4959099	9/12/10	03:57	Argonaut Way & Mowry Ave	120'	South	Hit Object	Fixed Object	South	Traveling Wrong Way			Wrong Side of Road	0	0
4931945	10/29/10	11:47	Argonaut Way & Mowry Ave	89'	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	0	0
4926071	11/7/10	20:24	Mowry Ave & Argonaut Way	360'	West	Vehicle - Pedestrian	Pedestrian	North	Not Stated	East	Proceeding Straight	Pedestrian Violation	0	1
4988029	11/12/10	18:25	Argonaut Way & Mowry Ave	77'	South	Rear-End	Other Motor Vehicle	North	Proceeding Straight	North	Stopped in Road	Unsafe Speed	1	0
5031521	11/28/10	18:36	Argonaut Way & Mowry Ave	0'	In Int.	Head-On	Other Motor Vehicle	South	Making Left Turn	West	Proceeding Straight	Auto R/W Violation	0	0
5123628	12/14/10	20:51	Argonaut Way & Mowry Ave	0'	In Int.	Rear-End	Other Motor Vehicle	Not State	Backing	North	Stopped in Road	Unsafe Starting or Backing	0	0
5503853	1/29/12	18:03	Mowry Ave & Argonaut Way	0'	In Int.	Vehicle - Pedestrian	Pedestrian	North	Proceeding Straight	West	Proceeding Straight	Pedestrian Violation	1	0
5884361	12/23/12	14:40	Mowry Ave & Argonaut Way	3'	East	Head-On	Other Motor Vehicle	East	Changing Lanes	West	Stopped in Road	Wrong Side of Road	2	0
130807033	8/7/13	18:11	Mowry Ave & Argonaut Way	312'	East	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped In Road	Unsafe Speed	1	0
131109013	11/9/13	09:39	Mowry Ave & Argonaut Way	233'	East	Hit Object	Fixed Object	West	Stopped In Road	West	Proceeding Straight	Improper Turning	1	0
140427014	4/27/14	12:56	Mowry Ave & Argonaut Way	0'	In Int.	Rear-End	Other Motor Vehicle	West	Proceeding Straight		Stopped In Road	Unsafe Speed	1	0
140519020	5/19/14	14:30	Mowry Ave & Argonaut Way	33'	West	Broadside	Other Motor Vehicle	West	Proceeding Straight	West	Making Left Turn	Traffic Signals and Signs	0	0
140621021	6/21/14	12:10	Argonaut Way & Mowry Ave	335'	South	Other	Parked Motor Vehicle	North	Backing	North	Parked	Driving Under Influence	0	0
151205056	12/5/14	18:24	Mowry Ave & Argonaut Way	130'	East	Sideswipe	Other Motor Vehicle	West	Changing Lanes	West	Proceeding Straight	Unsafe Lane Change	0	0

---

## Settings Used For Query

---

<u>Parameter</u>	<u>Setting</u>
Street Name	AUTO MALL PKWY
Cross Street	OSGOOD RD
Starting Date	1/1/2007
Ending Date	5/31/2015
Distance from Intersection	$\geq 0'$ for non rear-end collisions $\geq 0'$ for rear-end collisions

**City of Fremont  
Public Works Department  
Collision Report Summary**

2/19/2016

Date Range Reported: 1/1/07 - 5/31/15

Total Number of Collisions: 27

Total Number of Persons Injured 17

Total Number of Persons Killed: 0

Report#	Date	Time	Location	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Dir. of Travel 1	Movement Prec. Coll. 1	Dir. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil.
2991479	1/17/07	08:40	Auto Mall Pkwy & Osgood Rd	0'	In Int.	Broadside	Other Motor Vehicle	South	Making Right Turn	West	Making Left Turn	Other Hazardous Movement	1	0
3099663	3/24/07	13:00	Auto Mall Pkwy & Osgood Rd	0'	In Int.	Broadside	Bicycle	West	Traveling Wrong Way	North	Proceeding Straight	Traffic Signals and Signs	0	0
3322251	7/17/07	07:00	Osgood Rd & Auto Mall Pkwy	238'	South	Hit Object	Fixed Object	South	Ran Off Road			Driving Under Influence	0	0
3412314	10/3/07	09:23	Auto Mall Pkwy & Osgood Rd	800'	West	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Slowing/Stopping	Following Too Closely	0	0
3627203	2/20/08	09:25	Osgood Rd & Auto Mall Pkwy	0'	In Int.	Broadside	Other Motor Vehicle	South	Making Left Turn	South	Proceeding Straight	Auto R/W Violation	2	0
3725557	5/5/08	08:28	Osgood Rd & Auto Mall Pkwy	300'	North	Other	Bicycle	North	Proceeding Straight	North	Making Right Turn	Unsafe Speed	1	0
3768312	6/20/08	09:58	Auto Mall Pkwy & Osgood Rd	0'	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	North	Making Left Turn	Other Hazardous Movement	1	0
3834539	8/19/08	08:35	Auto Mall Pkwy & Osgood Rd	234'	West	Sideswipe	Other Motor Vehicle	West	Passing Other Vehicle	West	Proceeding Straight	Unsafe Lane Change	0	0
3992918	12/6/08	14:52	Auto Mall Pkwy & Osgood Rd	21'	East	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped in Road	Unsafe Speed	0	0
4830661	8/3/10	08:48	Osgood Rd & Auto Mall Pkwy	0'	In Int.	Rear-End	Other Motor Vehicle	South	Proceeding Straight	East	Making Left Turn	Traffic Signals and Signs	1	0
4892049	9/8/10	12:44	Auto Mall Pkwy & Osgood Rd	87'	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Driving Under Influence	0	0
5242767	6/24/11	16:49	Auto Mall Pkwy & Osgood Rd	301'	East	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Improper Turning	0	0

Report#	Date	Time	Location	Dist.	Dir.	Type of Collision	Motor Veh. Involved With	Dir. of Travel 1	Movement Prec. Coll. 1	Dir. of Travel 2	Movement Prec. Coll. 2	PCF	Inj.	Kil.
5223234	7/4/11	11:15	Auto Mall Pkwy & Osgood Rd	0'	In Int.	Broadside	Other Motor Vehicle	North	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	1	0
5559912	3/22/12	15:00	Auto Mall Pkwy & Osgood Rd	450'	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Unsafe Speed	1	0
5663191	5/24/12	10:34	Osgood Rd & Auto Mall Pkwy	368'	South	Other	Other Motor Vehicle	North	Backing	North	Parked	Other Improper Driving	0	0
5727611	6/25/12	11:20	Osgood Rd & Auto Mall Pkwy	341'	South	Broadside	Bicycle	North	Traveling Wrong Way	East	Entering Traffic	Wrong Side of Road	1	0
5750964	7/23/12	22:31	Auto Mall Pkwy & Osgood Rd	88'	West	Rear-End	Other Motor Vehicle	East	Proceeding Straight	East	Stopped in Road	Driving Under Influence	2	0
5828741	9/9/12	08:00	Auto Mall Pkwy & Osgood Rd	0'	In Int.	Broadside	Other Motor Vehicle	West	Proceeding Straight	East	Making Left Turn	Traffic Signals and Signs	0	0
14-00526	10/22/13	19:20	Auto Mall Pkwy & Osgood Rd	75'	East	Rear-End	Other Motor Vehicle	East		East		Unsafe Speed	0	0
131104029	11/4/13	15:00	Osgood Rd & Auto Mall Pkwy	30'	North	Rear-End	Other Motor Vehicle	South	Other Unsafe Turning	South	Stopped In Road	Improper Turning	0	0
131115041	11/15/13	17:52	Osgood Rd & Auto Mall Pkwy	19'	South	Vehicle - Pedestrian	Pedestrian	East	Making Right Turn	West		Ped R/W Violation	1	0
140225024	2/25/14	15:05	Osgood Rd & Auto Mall Pkwy	857'	South	Hit Object	Fixed Object	North	Changing Lanes			Wrong Side of Road	1	0
140711029	7/11/14	17:18	Auto Mall Pkwy & Osgood Rd	40'	East	Rear-End	Other Motor Vehicle	West	Slowing/Stopping	West	Stopped In Road	Unsafe Speed	0	0
141023006	10/23/14	09:05	Osgood Rd & Auto Mall Pkwy	75'	South	Sideswipe	Bicycle	South	Proceeding Straight	South	Proceeding Straight	Improper Turning	1	0
141030026	10/30/14	14:43	Auto Mall Pkwy & Osgood Rd	26'	East	Sideswipe	Other Motor Vehicle	East	Changing Lanes	East	Proceeding Straight	Unsafe Lane Change	1	0
141104022	11/4/14	15:57	Auto Mall Pkwy & Osgood Rd	9'	West	Sideswipe	Other Motor Vehicle	West	Passing Other Vehicle	West	Proceeding Straight	Unsafe Lane Change	1	0
6715187	11/4/14	15:57	Auto Mall Pkwy & Osgood Rd	9'	West	Sideswipe	Other Motor Vehicle	West	Passing Other Vehicle	West	Proceeding Straight	Unsafe Lane Change	1	0

# Appendix D

---

## Citation Summary

Fremont, California Photo-Enforcement Citation Statistics for 2007 through 2015 for

*15+ mph  
ind. visually spanned  
(flexible)*

Year of Red-Light Infraction	Approach	Location	Citations for Red-Light Infractions	Citations for LTOR Infraction	Citations for RTOR Infraction	Citations for Straight-Thru Infractions (Default)
2007	FR-MIMO-01	Mission Blvd & Mohave Dr (WB)	324	0	0	324
2008	FR-MIMO-01	Mission Blvd & Mohave Dr (WB)	3,283	0	0	3,283
2009	FR-MIMO-01	Mission Blvd & Mohave Dr (WB)	2,034	0	0	2,034
2010	FR-MIMO-01	Mission Blvd & Mohave Dr (WB)	1,771	0	660	1,111
2011	FR-MIMO-01	Mission Blvd & Mohave Dr (WB)	879	0	527	352
2012	FR-MIMO-01	Mission Blvd & Mohave Dr (WB)	839	0	504	335
2013	FR-MIMO-01	Mission Blvd & Mohave Dr (WB)	700	15	397	288
2014	FR-MIMO-01	Mission Blvd & Mohave Dr (WB)	799	30	569	200
2015	FR-MIMO-01	Mission Blvd & Mohave Dr (WB)	978	65	534	379
2007	FR-MIWS-01	Mission Blvd (EB)& Warm Springs Blvd (EB)	0	0	0	0
2008	FR-MIWS-01	Mission Blvd (EB)& Warm Springs Blvd (EB)	0	0	0	0
2009	FR-MIWS-01	Mission Blvd (EB)& Warm Springs Blvd (EB)	442	0	0	442
2010	FR-MIWS-01	Mission Blvd (EB)& Warm Springs Blvd (EB)	573	0	0	573
2011	FR-MIWS-01	Mission Blvd (EB)& Warm Springs Blvd (EB)	537	0	3	534
2012	FR-MIWS-01	Mission Blvd (EB)& Warm Springs Blvd (EB)	409	0	4	405
2013	FR-MIWS-01	Mission Blvd (EB)& Warm Springs Blvd (EB)	184	0	0	184
2014	FR-MIWS-01	Mission Blvd (EB)& Warm Springs Blvd (EB)	351	0	1	350
2015	FR-MIWS-01	Mission Blvd (EB)& Warm Springs Blvd (EB)	523	0	1	522