



CITY OF
HAYWARD
HEART OF THE BAY

April 15, 2009

**State of California, Department of Transportation
Bahman Zarechian, P.E.
Caltrans District 4
Division of Operations
Mail station: 5
111 Grand Ave.
PO Box 23660
Oakland, CA 94623-0660**

Re: Permit application 0408-NSN 2176

*SR 238 (Mission Blvd) at Industrial Blvd - Encroachment Permit - Justification
SR 92 (Jackson St) at Santa Clara St- Encroachment Permit – Justification
Interstate 880 at A St- Encroachment Permit – Justification
Industrial Pkwy (Interstate 880) at Whipple Rd- Encroachment Permit –
Justification*

Sirs;

The City of Hayward is requesting an encroachment permit to allow the installation of red light camera systems at the listed intersections to enforce red light violations as authorized. The enforcement of red light violations using camera systems is authorized by section 21455.5 of the California Vehicle Code. The intersections listed above warrants the installation of a photo enforcement system for several reasons as outlined below.

The Hayward Police Department had Redflex Traffic Systems conduct preliminary intersection analysis of red light violations at fifteen of the top injury producing intersections. This included a review of intersection collision history and a video taped survey analysis of fifty-two intersection approaches to test for frequency of violation activity over a twelve hour period in March of 2008.

POLICE DEPARTMENT

300 WEST WINTON AVENUE, HAYWARD, CA 94544
TEL: 510/293-7000 • FAX: 510/293-7183 • TDD: 783-8884



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According to the United States Department of Transportation (USDOT), each year red light violations cause as many as 200,000 crashes and 1000 fatalities. In the year 2002, the City of Hayward investigated 65 intersection collisions directly attributable to red light violations. Thirty-one collisions resulted in injuries and one collision resulted in a death. In 2003, Hayward investigated 44 intersection collisions attributed to red light running, twenty-one of which involved injuries.

These violations directly affect the quality of life in our community and create a serious danger to the motoring public and law enforcement officers. Red light running is a serious issue impacting the safety of our citizens.

While the Hayward Police Department diligently endeavors to make the streets safe, a red light camera program would provide 24 hour, seven days a week enforcement where violations and crashes most frequently occur. Collisions involving red light running are most likely to result in injuries and significant property damage. It is often more dangerous for a police officer to apprehend and cite a red light runner because the officer must also run the red light.

The City of Hayward is a thriving city of more than 146,398 people on the eastern edge of the San Francisco Bay. Established as a trading center in 1852 by William Hayward, the city is located 25 miles southeast of San Francisco, 14 miles south of Oakland, and 26 miles north of San Jose. The city encompasses 61 square miles ranging from the shore of the bay eastward to the Oakland-Berkeley hills.

Since the railroads came to Hayward in the mid 1800's, transportation has played an important role in the city and its proximity to the Bay Area. Interstate's 880 and 580, Highways 238, 85, 185 and 92, and the Hayward-San Mateo Bridge, are all within the jurisdiction boundaries of the city. Hayward connects private and commercial traffic to airports, harbors, and business centers in San Francisco, Oakland, the San Joaquin and Santa Clara Valleys, and the North Bay.

Hayward has proximity to four major freeways all exceeding design capacity during peak hours, resulting in an overflow onto city streets. A current estimate indicated that the Hayward city streets are carrying over 350,000 vehicle trips per day with the possibility of another 100,000 being diverted onto city streets from the surrounding interstates. The city maintains just over 260 miles of streets.

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In an effort to measure the local problem the Hayward Police Department used United States Department of Transportation (USDOT) 2005 data, which indicates red light violations caused as many as 1,314,261 crashes, 2,950 fatalities and 449,624 injuries. In the year 2005, California reported 28,273 crashes as a result of red light running, producing 343 fatalities and 71,530 injuries.

During the July 17, 2007, City of Hayward council meeting a public hearing was held regarding the implementation of a photo red light enforcement program, members of the Council recommended that this intersection be considered for inclusion in the red light enforcement program.

Staff conducted video surveys of the high collision intersections and recorded red light violations. The twelve-hour video surveys revealed a significant number of red light violations. Below are a summary of the violations caught in the video survey;

- 144 red light violations at A Street and Interstate 880
- 114 violations at Industrial and Whipple
- 109 violations at Mission and Industrial
- 103 violations at Santa Clara and Jackson

In August 2008 the Hayward Police Department activated its first automated red light enforcement system at the intersection of Industrial Pkwy and Huntwood Ave. Since that time we have added the intersections of West Winton Ave and Hesperian Blvd in both the east and westbound directions and the intersection of B Street and Second Street.

Since the inception of the program the city of Hayward has captured over 11,000 red light violations. Due to these sheer numbers one can see the problem of red light running is quite significant within the City of Hayward.

The Hayward Police Department works closely with the California Office of Traffic Safety in an effort to improve traffic safety in Hayward. This relationship was established in 1992 with funding for a specialized traffic enforcement unit. The citizen's of Hayward community enjoy much safer streets and highways as a result of this ongoing commitment to traffic safety.

The Office of Traffic Safety ranks cities of similar size in an effort to provide traffic safety and enforcement personnel with statistical information related to fatal and

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traveled. A ranking of 7/52 means of the 52 cities of similar size, 6 cities have a greater number of injury collisions than Hayward. The data below clearly indicates the need for reduction in injury collisions.

Agency	Year	County	Group	Population (Average)	DVMT
HAYWARD	2007	ALAMEDA COUNTY	B	148,353	604,743

TYPE OF COLLISION	VICTIMS KILLED & INJURED	RANKING BY DAILY VEHICLE MILES TRAVELED
Total Fatal and Injury	672	1/52
Alcohol Involved	82	2/52
HBD Driver < 21	6	7/52
HBD Driver 21 - 34	25	2/52
Pedestrians	56	3/52
Pedestrians < 15	13	2/52
Pedestrians 65+	3	11/52
Bicyclists	33	4/52
Bicyclists < 15	6	6/52
Composite		1/52

As you can see from the table above, the City of Hayward has a composite rating of 1/52. This means Hayward is considered the worst of 52 cities in similar population and vehicle miles traveled.

In summary, The Hayward Police Department's goal is to reduce injury collisions and improve public safety. This will be achieved at intersections with the greatest historical number of collisions factored against the number of unabated violations. Not all intersections warranting automated enforcement are suitable for consideration (example; absence of stop bars, signals installed below recommended height or potential for increased rear-end collisions). This installation will improve intersection safety with a halo effect extending to other intersections in the immediate area.

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An objective of this program is positive public awareness and education. Strong public support for this program will help ensure the City meets its primary goal of increased intersection safety through improved traffic law compliance. The Hayward Police Department will continue to seek community support by erecting roadway warning signs at entrances to the City/intersections; conducting 30-day warning periods at the commencement of the program at new intersections; preparing press releases and press conferences; a community advertising campaign against red light running; and providing information regarding the operation and technology of the program.

The City of Hayward, specifically, the Hayward Police Department is seeking encroachment on California State Highway right-of-way at the intersections of: *SR 238 (Mission Blvd) at Industrial Blvd, SR 92 (Jackson St) at Santa Clara St Interstate 880 at A St and Industrial Pkwy (Interstate 880) at Whipple Rd*

The City of Hayward seeks encroachment for a period of no less than six years. This will allow for a five year contract with Redflex Traffic Systems and six months on either side of the contract for installation or removal of equipment. Should you have need for further contact regarding this request, please do not hesitate to contact me, at (510) 293-5040.

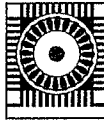
Sincerely;



A/Lieutenant Corey Quinn
Hayward Police Department
300 West Winton Ave
Hayward, Ca. 94544
Email: corey.quinn@hayward-ca.gov

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June 18, 2009

State of California, Department of Transportation
Bahman Zarechian, P.E.
Caltrans District 4
Division of Operations
Mail Station: 5
111 Grand Ave.
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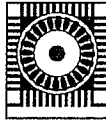
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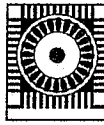
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The following table will illustrate the number of injury collisions at the referenced intersections over the last four (4) years involving injuries. This does not take into account the number of non-injury collisions.

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	2005	2006	2007	2008	Total
Industrial Pk SW /Whipple Rd	7	7	5	8	27
SR92 / Santa Clara St	12	11	13	9	45
Interstate 880 / A St	7	3	4	6	20
SR238 / Industrial Pk	5	6	4	6	21

As you can see by these figures, the intersections proposed for the inclusion in our red light enforcement system program are worthy of the efforts.

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Sincerely,

Sergeant Jeff Lutzinger
Hayward Police Department – Traffic Unit
300 West Winton Ave.
Hayward, CA 94544

e-mail: jeff.lutzinger@hayward-ca.gov

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August 18, 2009

State of California, Department of Transportation
Farshid Vahedian Brojeni, P.E.
Caltrans District 4
Division of Operations
Mail Station: 5
111 Grand Ave.
P.O. Box 23660
Oakland, CA 94623-0660

Re: Permit application 0408-NSN 2176

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Sir:

In response to your agencies request for additional information regarding the types of collisions reported at the various intersections for which we have requested encroachment permits, I have prepared the attached table of information. It should be noted that in my letter of June 18, 2009 I gave information including the number of injury and fatal collisions. In this new table I have also included those collisions that were “property damage only” that the Hayward Police Department took a collision report. It should be noted that it is the policy of the Hayward Police Department to encourage parties of “Property Damage Only” collisions to exchange information. The HPD does not routinely respond to such incidents unless there were extenuating circumstances, therefore the number of collisions listed in the table are actually less than the true number of collisions.

If you have additional questions or concerns, please contact me as soon as possible.

Thank you for your support in this project.

Sincerely,

Sergeant Jeff Lutzinger
Hayward Police Department – Traffic Unit
300 West Winton Ave.
Hayward, CA 94544
e-mail: jeff.lutzinger@hayward-ca.gov

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CITY OF HAYWARD
TYPES OF TRAFFIC COLLISIONS

	SR92 (Jackson St) @ Santa Clara St	SR238 (Mission Blvd) @ Industrial Parkway	Interstate 880 (NB off ramp - Industrial Pk SW) @ Whipple Rd	Interstate 880 @ West A St
Head On	0	0	2	1
Sideswipe	9	2	20	5
Rear-end	30	10	11	8
Broadside	20	7	18	20
Hit Object	5	4	7	4
Overtuned	0	1	3	0
Veh / Ped	2	1	0	0
Other	3	0	1	1
Unknown	0	0	1	0

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