



MEMORANDUM

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Engineering

08 OCT 21 PM 2: 18

DISTRICT 6
PERMIT OFFICE

DATE: OCTOBER 21, 2008

TO: RICHARD GOH, P.E., CALTRANS

FROM: GILBERT HERNANDEZ, SENIOR TRAFFIC ENGINEER

CC: STEVE LIBRING, CITY TRAFFIC ENGINEER

RE: RED LIGHT CAMERAS AT TYLER STREET AT SR-91 WB RAMPS

The City of Riverside ("City") has reviewed the State's "Policy Directive" describing the installation of Automated Red Light Enforcement Systems (ARLES) within Caltrans right-of-way. The following addresses the criteria detailed in Caltrans' letter to the City dated September 16, 2008, regarding the proposed red-light enforcement system at the intersection of State Route 91 westbound ramps and Tyler Street in the City of Riverside ("Intersection").

1.
 - a. The City conducted a review of the collision data and patterns to determine if a red-light enforcement system is needed at the Intersection. The data shows 12 collisions within a 5-year period and nine of the twelve accidents are either classified as rear end, broadside, or sideswipe and potentially could have been avoided with a red-light enforcement system. The City anticipates the number of broadside and sideswipe accidents to decrease with the installation of a red-light enforcement system. In addition, the City studied the intersection to determine the number of red-light running violations which contribute to the overall safety of the intersection. A two-hour survey was conducted on February 13, 2008 and determined (visual study) there were 36 violations at this intersection in the southbound direction. By reducing the number of red-light running violations the City anticipates decreasing the number of "near misses" and accidents at this location.
 - b. The City's Public Utilities Department will provide an electrical service power pedestal to isolate electrical service to the red-light enforcement system. The electrical service will not interfere with Caltrans equipment and systems.

- c. The City agrees to hold Caltrans harmless and indemnify Caltrans from any liabilities or losses resulting from the use or presence of the red-light enforcement system at the Intersection.
 - d. The red-light enforcement system complies with all safety requirements pertaining to the Intersection operation and all applicable codes including mandates shown on the CA MUTCD, adopted September 2006, and Caltrans Standard Plans and Specifications dated May, 2006.
 - e. The City understands that Caltrans may request the system removed at the City's expense if the red-light enforcement system does not meet the guidelines outlined in the ARLES policy.
 - f. The City agrees to amend the existing signal maintenance agreement with Caltrans to clearly define the scope of the red-light enforcement system and certify that the above criteria is met.
2. The City of Riverside agrees that its liability is governed by Government Code Section 830 et. seq.. Furthermore, the City understands that Caltrans reserves the right to inspect and approve the completed installation of the red-light enforcement system at the Intersection.
 3. The City of Riverside agrees to comply with the CVC Section 21455.5 (Traffic Signal Automated Enforcement: Photographic Records).
 4. The City will provide Nasim Gani, Electrical Operations Engineer, with a 3-day notice informing him of any proposed signal timing or lane closures affecting the Intersection..
 5. Sheet 1, Note 20, has the note "Traffic Signal Lighting Schedules shall not be interrupted"
 6. Sheet 1, General Note 7 states: "All new conduits shall be Type 3, Schedule 80". General Note 1 states "All work done within the State right-of-way shall comply with the May 2006 Standard Plans and Specifications. Lastly, General Note 3 states "Where damage to the State facilities is caused by construction activities, the Permittee shall, at its expense, replace damaged facilities promptly in accordance with applicable Department Standard Plans and Specifications.

Your assistance and support on this project is greatly appreciated. Should you have any questions regarding this memorandum, please feel free to contact Gilbert Hernandez, Senior Engineer - Traffic at 951-826-5148 or ghernandez@riversideca.gov.

**City of Riverside
Traffic Engineering Department**

Collision Report Summary

10/7/2008

Date Range Reported: 1/1/03 - 10/7/08

Total Number of Collisions: 12

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DISTRICT &
PERMIT OFFICE

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. Ver.	Page 1
03-082279	3/19/03	21:27	Tyler St & State Hwy 91 Wbon/R	75'	North	Rear-End	Other Motor Vehicle	South	Proceeding Straight	South	Stopped In Road	Driving Under Influence	2 0	
03096047	4/6/03	03:25	Tyler St & State Hwy 91 Wbon/R	21'	South	Hit Object	Fixed Object	West	Proceeding Straight			Improper Turning	0 0	
03134081	5/14/03	09:20	Tyler St & State Hwy 91 Wbon/R	630'	North	Broadside	Other Motor Vehicle	South	Proceeding Straight	North	Making Left Turn	Traffic Signals and Signs	3 0	
03241228	8/29/03	18:27	Tyler St & State Hwy 91 Wboff/R	61'	South	Hit Object	Fixed Object	North	Ran Off Road			Improper Turning	0 0	
03307250	11/3/03	17:44	Tyler St & State Hwy 91 Wbon/R	225'	North	Hit Object	Fixed Object	North	Traveling Wrong Way			Wrong Side of Road	0 0	
04229137	8/16/04	10:15	Tyler St & State Hwy 91 Wboff/R	10'	South	Broadside	Other Motor Vehicle	North	Proceeding Straight	West	Proceeding Straight	Traffic Signals and Signs	2 0	
04261134	9/17/04	11:55	Tyler St & State Hwy 91 Wboff/R	0'	In Int.	Broadside	Other Motor Vehicle	South	Making Left Turn	North	Proceeding Straight	Traffic Signals and Signs	1 0	
P30433429 7	11/29/04	22:44	Tyler St & State Hwy 91 Wboff/R	0'	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	East	Making Left Turn	Traffic Signals and Signs	0 0	
P20503518 8	2/3/05	13:30	Tyler St & State Hwy 91 Wboff/R	0'	In Int.	Rear-End	Other Motor Vehicle	West	Proceeding Straight	West	Stopped In Road	Unknown	1 0	
P06015654	6/8/06	00:58	Tyler St & State Hwy 91 Wboff/R	0'	In Int.	Broadside	Other Motor Vehicle	South	Proceeding Straight	East	Making Left Turn	Traffic Signals and Signs	0 0	
P07-080875	5/26/07	11:50	Tyler St & State Hwy 91 Wboff/R	10'	North	Sideswipe	Other Motor Vehicle	North	Making U Turn	North	Proceeding Straight	Auto RW Violation	0 0	
P07-186643	12/7/07	07:54	Tyler St & State Hwy 91 Wboff/R	284'	North	Broadside	Other Motor Vehicle	East	Entering Traffic	South	Proceeding Straight	Auto RW Violation	0 0	

Settings Used For Query

<u>Parameter</u>	<u>Setting</u>
Street Name	TYLER ST
Cross Street	STATE HWY 91 WBOFF/R
Starting Date	1/1/2003
Ending Date	10/7/2008
Distance from Intersection	>= 0' for non rear-end collisions >= 0' for rear-end collisions