

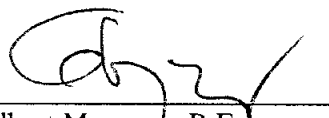


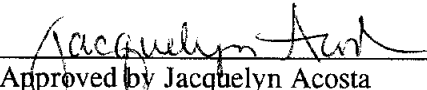
City of Carson

Report to Mayor and City Council

April 1, 2014
Unfinished Business

SUBJECT: CONSIDERATION OF REQUEST TO INSTALL STOP SIGNS ON THE EAST AND WEST APPROACHES OF CYRENE DRIVE AT ITS INTERSECTION WITH GUNLOCK AVENUE TO CREATE A THREE-WAY STOP


Submitted by Gilbert Marquez, P.E.
Acting Director of Public Works/City Engineer


Approved by Jacquelyn Acosta
Acting City Manager

I. SUMMARY

This request to install stop signs on Cyrene Drive at its intersection with Gunlock Avenue was considered at the City Council meeting on March 18, 2014. While the warrants do not justify a three-way stop sign and staff previously recommended denial of this request, the City Council indicated that they would approve the request if the requestor submitted a petition signed by the nearby residents indicating that at least 80% of them were supportive of the new stop signs. The requestor circulated the petition to the nearby residents and submitted the signed petition to the Engineering Services Division (Exhibit No. 1). Staff has verified that the number of residences supporting the installation of the stop signs does constitute 84.6% of the nearby residences. Resolution No. 14-026 directs staff to install the stop signs if the City Council approves the request (Exhibit No. 2).

II. RECOMMENDATION

WAIVE further reading and ADOPT Resolution No. 14-026, "A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CARSON, CALIFORNIA, APPROVING THE INSTALLATION OF STOP SIGNS ON THE EAST AND WEST APPROACHES OF CYRENE DRIVE AT ITS INTERSECTION WITH GUNLOCK AVENUE TO CREATE A THREE-WAY STOP."

III. ALTERNATIVES

1. DENY the request to install stop signs on Cyrene Drive at its intersection with Gunlock Avenue to create a three-way stop.
2. TAKE another action the City Council deems appropriate.

IV. BACKGROUND

In response to the request for a three-way stop, a technical analysis was conducted to determine if a three-way stop would be warranted based on the guidelines of the "California Manual on Uniform Traffic Control Devices," which is a document used by public agencies for the evaluation of stop signs and

other types of traffic control devices. The manual presents various warrant checks that should be evaluated to determine if a three-way stop is justified at a particular location. The tests consider such measures as traffic volumes, vehicle delays, and accident history. Comparisons of the warrant values recommended in the manual and the observations at the Cyrene Drive / Gunlock Avenue intersection are as follows.

The first warrant check indicates that a three-way stop may be justified if there are five or more reported crashes at the intersection within a 12-month period. The collision statistics for the past five years indicate that there was one reported collision in 2009 when a vehicle collided with a parked car on Cyrene Drive 100 feet east of Gunlock Avenue. There were no other collisions reported at or near this intersection during the five-year time frame. The collision statistics (one reported crash in five years) do not satisfy the five accident threshold recommended in the manual for justifying the installation of a three-way stop.

Another warrant check indicates that a three-way stop may be justified if:

- a) the vehicular volume entering the intersection from the major street (total of both approaches on Cyrene Drive) averages at least 300 vehicles per hour (vph) for any 8 hours of an average day, and
- b) the combined vehicular, pedestrian, and bicycle volume entering the intersection from the minor street (Gunlock Avenue) averages at least 200 units per hour for 8 hours, with an average delay to minor street vehicles of at least 30 seconds per vehicle during the highest hour.

Traffic counts taken at this intersection indicated that the threshold of 300 vehicles per hour is not exceeded on Cyrene Drive during the peak periods. Similarly, the traffic, pedestrian, and bicycle volumes on Gunlock Avenue do not exceed 200 units per hour during the peak periods. The existing traffic volumes do not, therefore, exceed the threshold criteria recommended in the manual for justifying the installation of a three-way stop. Also, the average delay during the peak hour for motorists stopped at the stop sign on Gunlock Avenue was observed to be four seconds, which is well below the threshold of 30 seconds per vehicle. A three-way stop at the Cyrene Drive / Gunlock Avenue intersection is not warranted based on the existing traffic volumes and the collision history.

After considering the conditions at this location and hearing testimony from a concerned resident, the Public Works Commission approved the request for three-way stop signs and recommended that the City Council direct staff to install the stop signs and associated pavement markings. As stated above in the Summary section, the City Council indicated that they would approve the request for stop signs if a petition is submitted from 80% of the nearby residents

indicating that they are supportive of the stop sign installation. The attached aerial photograph shows the houses that are near the intersection and indicates that signatures were received from 11 of the 13 residences (84.6%). Additional signatures are included on the petition, but they are from houses that are farther away from the intersection and not directly affected by the proposed stop sign installation (Exhibit No. 3).

V. FISCAL IMPACT

The estimated cost of installing the stop signs and associated pavement markings is \$800.00. Funds are available in the adopted FY 2013/14 Public Works Sign Maintenance budget in account no. 01-80-840-083-8028.

VI. EXHIBITS

1. Petition requesting stop signs. (pg. 4)
2. Resolution No. 14-026. (pg. 5)
3. Houses near intersection for petition. (pg. 6)

Prepared by: Richard Garland, Traffic Engineer

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TO:Rev02-24-2014

Reviewed by:

City Clerk	City Treasurer
Administrative Services	Public Works
Community Development	Community Services

Action taken by City Council

Date_____ Action_____

PETITION FOR EAST & WEST BOUND STOP SIGNS AT CYRENE/GUNLOCK TO CREATE A 3 WAY STOP
 PETITION BY: RANDY WILLIAMS**1832 E. CYRENE DR. CARSON, CA. 90746

NAME	ADDRESS	PHONE #
Randy Williams	1832 E. Cyrene Dr.	310 804-2106
Randy Williams	1838 Cyrene	310 6394126
Robert Williams	1842 E. Cyrene	310 537-7619
Robert Williams	1852 Cyrene	310 653-3917
Robert Williams	1845 E. Cyrene Dr.	310-537-8806
Lee Farnes	1857 Cyrene Dr.	310 632-8981
Robert Williams	1841 E. Cyrene Dr.	313-533-0697
Robert Williams	1837 E. 11th St. N.E.	310-632-0342
Theresa Rene Hall	1822 E. Cyrene Dr.	310 604 1774
Don Fisher	20213 Gunlock	310-339-2045
Don Fisher	1828 E. Cyrene Dr.	310 951-8048
Don Fisher	1815 E. Cyrene Dr.	424 477-7240
Don Fisher	1812 E. Cyrene Dr.	310 6092434
Don Fisher	1803 Cyrene Dr.	310 637-7974
Don Fisher	1802 E. Cyrene Dr.	310 921-0519

RESOLUTION NO. 14-026

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CARSON, CALIFORNIA, APPROVING THE INSTALLATION OF STOP SIGNS ON THE EAST AND WEST APPROACHES OF CYRENE DRIVE AT ITS INTERSECTION WITH GUNLOCK AVENUE TO CREATE A THREE-WAY STOP

WHEREAS, the Public Works Commission recommends that the City Council direct staff to install stop signs on Cyrene Drive at Gunlock Avenue to create a three-way stop.

NOW, THEREFORE, be it determined by the City Council of the City of Carson, California, that:

Section 1. The City Council authorizes the installation of stop signs on the east and west approaches of Cyrene Drive at its intersection with Gunlock Avenue to create a three-way stop.

Section 2. The Public Works Department is directed to erect stop signs at this intersection and install the associated pavement markings.

PASSED, APPROVED and ADOPTED this _____ day of _____, 2014.

Mayor Jim Dear

ATTEST:

City Clerk Donesia L. Gause, CMC

APPROVED AS TO FORM:

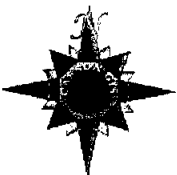
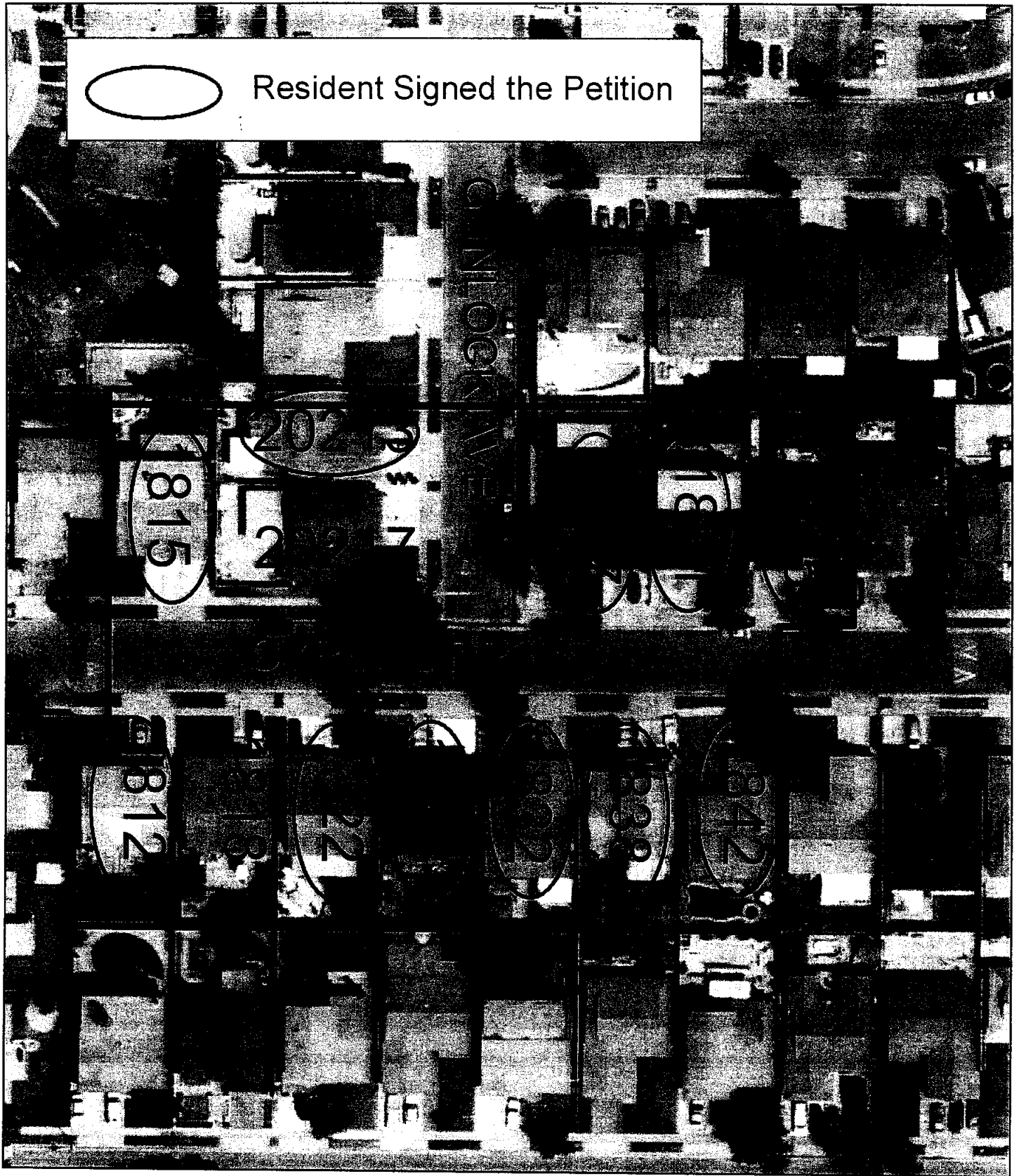
City Attorney

EXHIBIT NO. 02





Resident Signed the Petition



Houses Near Intersection for Petition
Cyrene Drive at Gunlock Avenue

