




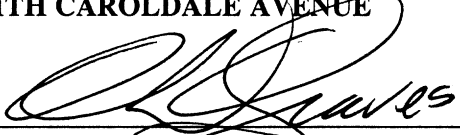
# City of Carson

## Report to Mayor and City Council

March 16, 2011  
New Business Consent

**SUBJECT: CONSIDERATION OF RESOLUTION NO. 11-032 TO INSTALL A STOP SIGN ON 224<sup>TH</sup> PLACE AT ITS INTERSECTION WITH CAROLDALE AVENUE**

  
Submitted by M. Victor Rollinger  
Development Services General Manager

  
Approved by Clifford W. Graves  
Interim City Manager

### **I. SUMMARY**

A request was received from a representative of Caroldale Learning Community for the city to consider installing a stop sign on 224<sup>th</sup> Place at its intersection with Caroldale Avenue (Exhibit No. 1). This is a "T" intersection located at the main entrance to the Caroldale school that currently has no stop signs. The primary reason for the stop sign request is to improve safety for motorists and pedestrians. After analyzing the intersection and observing the traffic patterns, pedestrian patterns, and visibility at this location, staff recommends that a stop sign be installed on the 224<sup>th</sup> Place approach to the Caroldale Avenue / 224<sup>th</sup> Place intersection.

On February 14, 2011, the Public Works Commission voted to approve the request for a stop sign at this intersection (Exhibit No. 2). Resolution No. 11-032 directs staff to install the stop sign as recommended by the Public Works Commission if the City Council concurs (Exhibit No. 3).

### **II. RECOMMENDATION**

WAIVE further reading and ADOPT Resolution No. 11-032, "A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CARSON, CALIFORNIA, TO INSTALL A STOP SIGN ON 224<sup>TH</sup> PLACE AT ITS INTERSECTION WITH CAROLDALE AVENUE."

### **III. ALTERNATIVES**

1. DO NOT APPROVE the request to install a stop sign on 224<sup>th</sup> Place at its intersection with Caroldale Avenue.
2. TAKE another action the City Council deems appropriate.

### **IV. BACKGROUND**

The intersection of 224<sup>th</sup> Place and Caroldale Avenue is a "T" intersection that is not currently equipped with traffic control (stop signs or yield signs). 224<sup>th</sup> Place is a two lane east-west residential street that terminates at a cul-de-sac one short block west of Caroldale Avenue. Caroldale Avenue is a two lane north-

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south residential street that runs along the frontage of Caroldale Learning Community and intersects with 224<sup>th</sup> Place in front of the main entrance to the school.

As the intersection of 224<sup>th</sup> Place and Caroldale Avenue does not have a stop sign on any of the three approaches to the intersection, the right-of-way rules that are stated in Section 21800 of the California Vehicle Code are applicable to motorists passing through the intersection. Subsection (b)(1) of this Vehicle Code section states, "When two vehicles enter an intersection from different highways at the same time, the driver of the vehicle on the left shall yield the right-of-way to the vehicle on his or her immediate right, except that the driver of any vehicle on a terminating highway shall yield the right-of-way to any vehicle on the intersecting continuing highway." This means that drivers approaching the intersection on 224<sup>th</sup> Place, which is a terminating highway because it does not continue beyond the intersection, must yield to all vehicles on Caroldale Avenue (northbound and/or southbound).

While the right-of-way rule from the Vehicle Code is generally acceptable at the intersection of two local residential streets, particularly at "T" intersections, there are constraints at the 224<sup>th</sup> Place / Caroldale Avenue intersection that result in visibility restrictions. The sight distance along Caroldale Avenue is restricted to the north and south of 224<sup>th</sup> Place because of houses, vegetation, and parked vehicles. In addition, there are numerous pedestrians in the area at the beginning and ending of each school session. This situation results in potential safety conflicts that could be alleviated by installing a stop sign and thereby requiring motorists to stop on 224<sup>th</sup> Place before turning onto Caroldale Avenue.

The guidelines in the "California Manual on Uniform Traffic Control Devices" (MUTCD, January 21, 2010 edition) state that stop signs should be used if engineering judgment indicates that one or more conditions exist. Among the conditions that are listed in the manual that would be appropriate for a stop sign installation at this location are:

- A. Intersection of a less important road with a main road where application of the normal right-of-way rule would not be expected to provide reasonable compliance with the law, and
- B. Street entering a through highway or street.

Observations at the intersection of 224<sup>th</sup> Place and Caroldale Avenue and reports from representatives of the school indicate that both of these scenarios are applicable. Criterion A is applicable because many drivers on eastbound 224<sup>th</sup> Place turn onto Caroldale Avenue with only minimal slowing and thereby create conflicts with vehicles and pedestrians on Caroldale Avenue. Criterion B

is applicable because 224<sup>th</sup> Place is entering Caroldale Avenue, which is used as a through street for motorists traveling between Shadwell Street and 224<sup>th</sup> Street.

As the right-of-way rule from the Vehicle Code does not provide reasonable compliance with the law and as the visibility constraints at this location create potential safety risks for motorists and pedestrians, it is recommended that a stop sign be installed on eastbound 224<sup>th</sup> Place at its intersection with Caroldale Avenue. Included in the installation are a stop bar (limit line) and a STOP legend that would be painted on the pavement.

The MUTCD also has guidelines for the installation of multi-way stop signs (three-way or four-way stop signs), including such criteria as traffic volumes, pedestrian volumes, and accident statistics. The conditions at the Caroldale Avenue / 224<sup>th</sup> Place intersection do not warrant the installation of a three-way stop.

After considering the conditions at this location and hearing testimony from residents, the Public Works Commission approved the request to install a stop sign on 224<sup>th</sup> Place at Caroldale Avenue and recommended that the City Council direct staff to install the stop sign and associated pavement markings.

**V. FISCAL IMPACT**

The estimated cost of installing the proposed stop sign and associated pavement markings is \$500.00. Funds are available in the adopted FY 2010/11 Public Works Sign Maintenance budget in account no. 01-80-840-083-8028.

**VI. EXHIBITS**

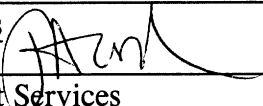
1. Location Map. (pg. 5)
2. Minutes, February 14, 2011, Item No. 7(b). (pg. 6)
3. Resolution No. 11-032. (pg. 7)

March 16, 2011

Prepared by: Richard Garland, Traffic Engineer

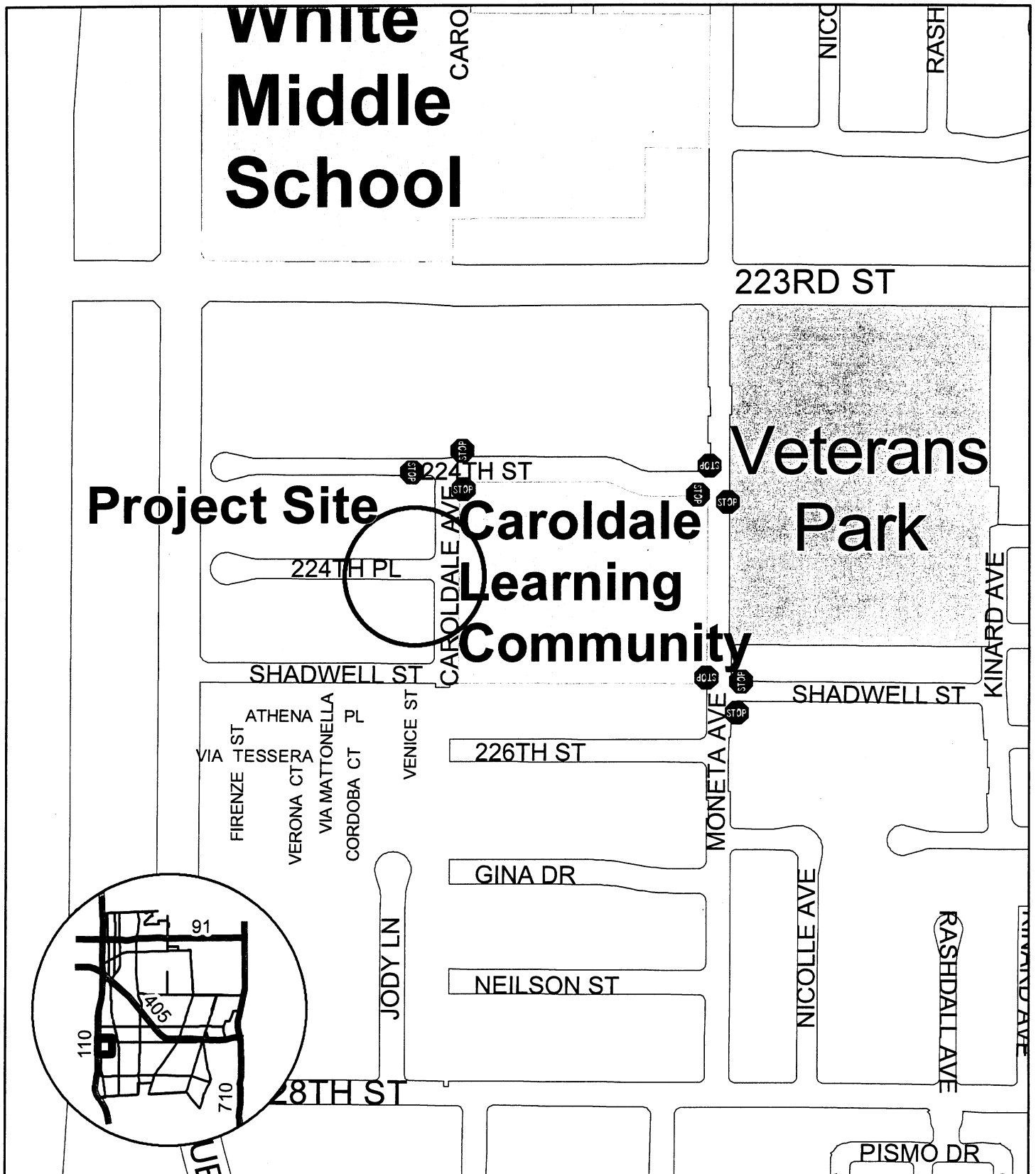
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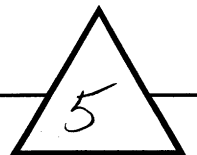
City Clerk	City Treasurer
Administrative Services 	Development Services
Economic Development Services	Public Services

## Action taken by City Council

Date \_\_\_\_\_ Action \_\_\_\_\_



**Location Map**  
**Proposed Stop Sign**  
**224th Place at Caroldale Avenue**



**EXHIBIT NO. 1**

**ITEM NO. 7(b): STOP SIGN INSTALLATION – 224<sup>TH</sup> PLACE AT CAROLDALE AVENUE**

RECOMMENDATION for the commission:

To recommend that the City Council authorize the installation of a stop sign on the 224<sup>th</sup> Place approach to the Caroldale Avenue / 224<sup>th</sup> Place intersection.

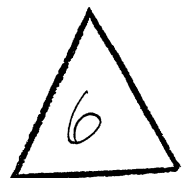
ACTION: On a motion by Commissioner Brown, seconded by Commissioner Thompson, the recommendation that the City Council authorize the installation of a stop sign on the 224<sup>th</sup> Place approach to the Caroldale Avenue / 224<sup>th</sup> Place intersection was unanimously carried by the following vote:

Ayes: Brown, Johnson, Thompson, and Tingson  
Noes: None  
Abstain: None  
Absent: Cottrell

**Public Comments:**

Ms. Rita Manley, 353 E. 228<sup>th</sup> Street, stated that she initiated the request for this stop sign as a measure to improve safety for the students who walk to and from Caroldale Learning Community. She is in favor of the installation of a stop sign and stated that the school administration also supports the recommended action.

Ms. Melissa Vandeventer, 22405 Caroldale Avenue, stated that she is in favor of installing a stop sign on 224<sup>th</sup> Place, but would be opposed to also installing stop signs on Caroldale Avenue to create a three-way stop.



RESOLUTION NO. 11-032

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF  
CARSON, CALIFORNIA, TO INSTALL A STOP SIGN ON 224<sup>TH</sup>  
PLACE AT ITS INTERSECTION WITH CAROLDALE AVENUE

WHEREAS, the Public Works Commission and Development Services staff recommend that the City Council authorize the installation of a stop sign on the 224<sup>th</sup> Place approach to the Caroldale Avenue / 224<sup>th</sup> Place intersection.

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 a stop sign on 224<sup>th</sup> Place at its intersection with Caroldale Avenue.

**Section 2.** Development Services is directed to erect a stop sign at this intersection and install the associated pavement markings.

**PASSED, APPROVED and ADOPTED** this 16th day of March, 2011.

\_\_\_\_\_  
Mayor Jim Dear

ATTEST:

\_\_\_\_\_  
City Clerk Helen S. Kawagoe

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney

EXHIBIT NO. 3

