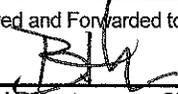




## STAFF REPORT

**Date:** Tuesday, June 28, 2016  
**To:** Bryan H. Montgomery, City Manager  
**From:** Kevin Rohani, P.E. Public Works Director/ City Engineer

Approved and Forwarded to City Council:

  
Bryan H. Montgomery, City Manager

**SUBJECT:** Adoption of a Resolution to Establish Special Speed Zones for Segments of Main Street

### Summary and Recommendation

The speed limits on portions of Main Street were set by Caltrans during the time when the street was part of the old State Highway 4. Following the construction of street improvements on Main Street for the Civic Center Complex, and through the downtown area, speed zone surveys were conducted, and speed limits were established for Main Street from Teakwood Drive to O'Hara Avenue. The remaining segments of Main Street retained the speed limits that had been set by the Caltrans speed zone surveys. The speed zone surveys used by Caltrans have now expired, and new speed zone surveys have been conducted in accordance with procedures adopted by the State Department of Transportation (Caltrans). The speed zone survey used to establish the speed limit from Vintage Parkway to O'Hara Avenue was used to extend the same speed limit from O'Hara Avenue to Rose Avenue, through the remainder of the downtown area with its similar road characteristics. Staff is recommending that the City Council adopt a resolution to approve the special speed zones recommended by the City Engineer as a result of the most recent speed studies.

### Fiscal Impact

Adoption of the Resolution will retain the existing signed speed limits on Main Street from the Highway 160 interchange to Big Break Road, from Rose Avenue to Bernard Road, and from Bernard Road to Delta Road, and establish a new speed limit from Big Break Road to Teakwood Drive and from O'Hara Avenue to Rose Avenue. Where the speed limit is changed, existing speed limit signs will be replaced, and additional signs will be installed as needed. The cost of the additional signage is included in the current Public Works and Engineering operations budget.

## **Background and Analysis**

The California Vehicle Code (CVC) requires that all speed limits in excess of 25 miles per hour be established on the basis of an engineering and traffic survey conducted in accordance with procedures adopted by the State Department of Transportation (Caltrans) if they are to be enforceable by the use of radar. These special speed zone surveys are required to be updated every seven (7) years to continue the use of radar enforcement. The Engineering and Traffic Surveys used by Caltrans to establish the speed limits on Main Street from Highway 160 to Teakwood Drive, and from O'Hara Avenue to Delta Road have expired.

Speed survey data was collected in April, 2016 for preparation of the Engineering and Traffic Surveys used to establish the speed limits recommended from Highway 160 to Teakwood Drive and from Rose Avenue to Delta Road. In addition, the speed zone survey conducted in October 2013 for the downtown area was used to establish the recommended speed limit for the segment of Main Street from O'Hara Avenue to Rose Avenue.

In general the speed limit of a roadway is set at the nearest five mile per hour interval where eighty-five percent of the vehicles travel at or below the speed, known as the 85<sup>th</sup> percentile or critical speed. In order for speeding violations to be enforceable by police and in court, the City must have current speed zone certifications on file at the courthouse.

The recommended speed limits contained in the attached resolution reflect the current traffic conditions on Main Street from the western City Limits at Highway 160, to the eastern City Limits at Delta Road.

The recommended speed limits include retaining the existing speed limits on Main Street:

1. From the Highway 160 interchange to Big Break Road, at 45 mph
2. From Rose Avenue to Bernard Road, at 45 mph, and
3. From Bernard Road to Delta Road at 40 mph.

The recommended speed limits on Main Street include:

1. Setting the speed limit between Big Break Road and Teakwood Drive from 45 mph to 40 mph,
2. Setting the speed limit between O'Hara Avenue and Rose Avenue at 30 mph.

The recommended speed limits shown in the attached resolution are based on an analysis of the traffic survey data and engineering and traffic studies. Adoption of the attached resolution will approve the recommendations and Traffic Order of the City Engineer, establishing the speed limits on the listed streets consistent with the California Vehicle Code and The City's Municipal Code. Adoption of these speed

limits will allow enforcement by the use of radar. A copy of the Engineering and Traffic Surveys, with a copy of the approved Resolution, will be maintained in the Public Works and Engineering files, with a copy in the Police Department and a copy delivered to the Contra Costa County Traffic Court.

**Conclusion**

Staff recommends that the City Council approve the resolution adopting a Traffic Order of the City Engineer establishing the prima facie speed limit on certain city streets.

**Attachment**

- 1) Resolution

## RESOLUTION NO. \_\_-16

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF OAKLEY  
ADOPTING A TRAFFIC ORDER OF THE CITY ENGINEER  
ESTABLISHING SPEED LIMITS**

**WHEREAS**, in April of 2016, and October of 2013, the City Engineer had engineering and traffic surveys conducted for purposes of establishing prima facie speed limits on segments of Main Street; and

**WHEREAS**, the following listed speed limits were recommended by the City Engineer.

<u>Street</u>	<u>Limits</u>	<u>Speed Limit (mph)</u>	<u>Study Date</u>
Main St.	Highway 160 to Big Break Rd.	45	4/19/2016
Main St.	Big Break Rd. to Teakwood Dr.	40	4/19/2016
Main St.	Rose Ave. to Bernard Rd.	45	4/20/2016
Main St.	Bernard Rd. to Delta Rd.	40	4/20/2016
Main St.	Vintage Pkwy. to Rose Ave.	30	10/28/2013

**NOW THEREFORE**, the City Council of the City of Oakley hereby resolves to approve the recommendations and Traffic Order of the City Engineer as listed above.

**PASSED AND ADOPTED** by the City Council of the City of Oakley at a meeting held on the 28th of June, 2016 by the following vote:

AYES:  
NOES:  
ABSENT:  
ABSTENTIONS:

APPROVED:

ATTEST:

\_\_\_\_\_  
Kevin Romick, Mayor

\_\_\_\_\_  
Libby Vreonis, City Clerk

\_\_\_\_\_  
Date