



City of Arts & Innovation

Transportation Board

TO: TRANSPORTATION BOARD **DATE: FEBRUARY 7, 2018**

FROM: PUBLIC WORKS DEPARTMENT **WARDS: 4 AND 5**

SUBJECT: SPEED LIMIT ZONE ESTABLISHMENT AND REVISIONS – BRADLEY STREET AND JEFFERSON STREET

ISSUES:

Consideration of: 1) revision of the 35 MPH speed limit zone boundaries on Bradley Street from “Washington Street to Eastgate Court” to “Washington Street to Harbart Drive”; 2) reduction of the speed limit on Jefferson Street from Victoria Avenue to Bradley Street from 45 MPH to 40 MPH; and 3) revision of the 45 MPH speed limit zone boundaries on Jefferson Street from “Evans Street to Bradley Street” to “Evans Street to Victoria Avenue.”

RECOMMENDATIONS:

That the Transportation Board recommend that the City Council adopt an ordinance to:

1. Revise the boundaries of the existing 35 MPH speed limit zone on Bradley Street from “Washington Street to Eastgate Court” to “Washington Street to Harbart Drive”;
2. Reduce the established speed limit on Jefferson Street from Victoria Avenue to Bradley Street from 45 MPH to 40 MPH; and
3. Revise the boundaries of the existing 45 MPH speed limit zone on Jefferson Street from “Evans Street to Bradley Street” to “Evans Street to Victoria Avenue.”

BACKGROUND:

The Public Works Department performs speed surveys to establish appropriate speed limits on City street segments including those classified as collector or arterial roadways and local roadways which do not meet the California Vehicle Code (CVC) definition of a roadway designated with a prima facie speed limit. These surveys include consideration of prevailing speeds as determined by traffic engineering measurements, accident data, unusual conditions not readily apparent to motorists, residential density, and pedestrian and bicyclist safety. These surveys are performed in accordance with the CVC and Manual on Uniform Traffic Control Devices (MUTCD) and enable both establishment and enforcement of the posted speed limit on many of our City streets.

DISCUSSION:

Bradley Street

Bradley Street east of Washington Street is a two-lane collector roadway with single family residential properties and vacant lots which front, back, or sit adjacent to the street. Due to the upcoming expiration of the current survey on file for this section of Bradley Street, a recent Traffic and Engineering Survey was conducted which concluded the current 85th percentile speed to be 40 MPH. The easterly end of the street had been extended to Harbart Drive since the prior speed survey was conducted requiring a change in the easterly zone boundary from “Eastgate Court” to “Harbart Drive” and as a result of the survey findings and noted unusual conditions within this segment including varying road widths, segments with dirt shoulders, and residential in nature, the Public Works Department is proposing to maintain the existing 35 MPH speed limit zone.

Jefferson Street

Jefferson Street between Evans Street and Bradley Street is a two-lane collector roadway with a combination of single family residential properties, commercial properties, and citrus groves and agricultural nurseries situated along the street. Due to varying conditions between the street segments from Evans Street to Victoria Avenue which is a flat, straight roadway predominantly improved with curb and gutter and commercial in nature and from Victoria Avenue to Bradley Street which is predominantly unimproved with dirt shoulders, includes segments with curvilinear alignment and changes in grade, crosses the Gage Canal, and is residential and agricultural in nature, the Public Works Department elected to separately survey the segments to determine the appropriate speed limits for each.

Traffic and Engineering Surveys were conducted on Jefferson Street between Evans Street and Victoria Avenue and between Victoria Avenue and Bradley Street which concluded the current 85th percentile speeds to be 46 MPH and 44 MPH respectively. As a result of the survey findings on Jefferson Street between Evans Street and Victoria Avenue, the Public Works Department is proposing to maintain the existing 45 MPH speed limit zone and change the southerly zone boundary to Victoria Avenue. As a result of the survey findings on Jefferson Street between Victoria Avenue and Bradley Street and noted unusual conditions within this segment including portions with dirt shoulders, drainage culverts adjacent to the roadway, roadway slope, and vertical crest which limits sight distance, the Public Works Department is proposing establishment of a 40 MPH speed limit.

FISCAL IMPACT:

The cost of sign fabrication, removal, and installation was estimated to be \$688. Funding is available in the existing Public Works Department budget, Signing Supplies account number 4110100-424143, to cover this cost.

Prepared by: Gilbert Hernandez, P.E., T.E., City Traffic Engineer
Approved by: Kris Martinez, Public Works Director

Attachments:

1. Site Map – Bradley Street
2. Aerial Map – Bradley Street
3. Site Map -- Jefferson Street
4. Aerial Map – Jefferson Street