



DATE: January 27, 2021

AGENDA ITEM # 3

TO: Complete Streets Commission
FROM: Jaime O. Rodriguez, Interim Staff Liaison
SUBJECT: Almond Avenue Cycle-Track Delineators

RECOMMENDATION:

Provide Input on Proposed Delineators within Bicycle Cycle-track Buffer Zone Space

INTRODUCTION

The City initiated the implementation of a two-way bicycle cycle-track facility along Almond Avenue to support bicycle operations towards Los Altos High School. The cycle-track facility is being implemented in phases with the first phase having been completed in the Summer 2020 as part of the city's annual street resurfacing program that includes a portion of the roadway markings to support the future cycle-track facility. The second and third part of the cycle include final roadway markings and traffic signal modifications at the N San Antonio Rd & Almond Avenue traffic signal, respectively.

The City is requesting input from the Complete Streets Commission on the proposed K-71 green color delineators that are proposed for use within the buffer zone space of the cycle-track. The commission requested a discussion on the proposed markers at its December 2020 meeting.

BACKGROUND

The City resurfaced Almond Avenue between N San Antonio Rd and El Monte Avenue in the Summer 2020 as part of the annual street resurfacing program. The project included accommodations for a future two-way bicycle cycle-track facility along the north side of Almond Avenue between San Antonio Rd and Los Altos High School. For the two-way bicycle cycle-track to be implemented, two construction phases are required:

- *Roadway Signage & Striping*

This project is scheduled for implementation in the Spring 2021 and includes installation of "buffer" roadway markings to separate the two-way bicycle cycle-track from vehicle traffic, roadway markings, and signage to encourage motorists to yield to bicyclists in the cycle-track facility. Proposed K-71 markers for use within the buffer zone space are the focus of this discussion with the Complete Street Commission.

- *Traffic Signal Modification at N San Antonio Rd & Almond Ave*
The traffic signal modification will add Bicycle Traffic Signals to the existing traffic signal at the intersection. Existing video detection equipment at the intersection already has bicycle differentiation technology that will be used to detect bicycle presence, along with dynamic “No Right Turn” signs to limit conflicts between vehicle and bicycle traffic. Proposed traffic signal phasing was discussed with the Complete Streets Commission at its December 2020 meeting.

DISCUSSION

The City is recommending the use of K-71 flexible traffic posts (delineators/bollards) within the 2-FT buffer zone that will separate the two-way cycle-track from adjacent westbound Almond Avenue traffic.

K-71 flexible traffic posts are commonly used to provide a raised barrier between vehicles and bicycle facilities.

Figure 1
Sample K-71 Flexible Traffic Post Image in Bike Lane Application



Along Almond Avenue staff recommends K-71 flexible traffic posts be spaced approximately 15-FT apart. A total of 80 K-71 flexible traffic posts are proposed along Almond Avenue between N San Antonio Rd and Los Altos High School. Along the residential portion of Almond Avenue between N San Antonio Rd & Valencia Drive, the K-71 flexible traffic posts will be installed to allow resident driveway access and accommodate refuse collection activities. Parking along the residential section of Almond Avenue will be removed as part of the two-way cycle-track installation.