

MEMORANDUM

DATE: August 6, 2013

TO: City Council

THROUGH: City Manager Judie Zimomra

FROM: Public Works Director Keith Williams

RE: City of Sanibel Crosswalk Study Area: Periwinkle Way & Casa Ybel Road

RECOMMENDATION: Authorize City Staff to proceed with preliminary design as well as negotiation and acquisition of easements for alternative two, the recommended alternative.

On July 16, 2013 City of Sanibel Public Works staff as well as staff from Kittelson and Associates, Inc, a transportation planning and engineering consultant, presented recommendations to Council regarding crosswalk options for the intersection of Periwinkle Way, Casa Ybel Road and the Jerry's Shopping Center Drive.

In consideration of the available crosswalk options, Kittelson and Associates, Inc carried out a study of the area including vehicular, bicyclist and pedestrian counts, vehicle speed analysis and field observation. The result of the study was two alternatives as well as a supplemental crossing; with alternative two, minus the supplemental crossing being the recommended alternative. Alternative two proposes a realignment of the Jerry's Shopping Center driveway, removal of the existing north-south crosswalk across Periwinkle Way on the east side of the intersection, construction of a new north-south crosswalk on the west side of the intersections as well as construction of a bike/ped pull-off area at the southwest corner of the intersection.

Alternative two was determined as the recommended alternative based on a series of factors resulting from traffic data collection as well as field observation. The primary goal in determining the preferred intersection improvements was safety coupled with effectiveness. The proposal to realign the shopping center driveway came from operational experience and observations originating from the Sanibel Police Department. Based on the data collected at the intersection, a key improvement to the safety of the intersection involves relocated the north-south crossing from the east side of the intersection to the west side. Based on the collected data, the current east side crosswalk conflicted with, on average, 70 turning movements per hour coming from Casa Ybel and the shopping center. Over that same period of time a west side crosswalk would only be impacted by 17 turning vehicles per hour. Additionally, field observations coupled with input from the Sanibel Police Department determined that a safe bike/ped pull-off area adjacent to the relocated crosswalk would improve the safety and operation of the intersection. The concept based engineering cost estimate for the construction of alternative two is approximately \$35,000.

Staff recommends authorization to proceed with preliminary design as well as negotiation and acquisition of easements for alternative two, the recommended alternative.

cc: Finance Director Sylvia Edwards
City Attorney Ken Cuyler