



October 25, 2016

Ken Tatsuguchi, P.E.
Hawaii Department of Transportation
869 Punchbowl Street, Room 301
Honolulu, HI 96813

Subject: Kihei High School – Supplemental Transportation Analyses: Pedestrian Route and Roundabout Studies

Dear Mr. Tatsuguchi:

This letter transmits two technical memoranda for Hawaii Department of Transportation's (DOT) review:

1. Grade Separated Pedestrian Crossing Feasibility Study (Pedestrian Crossing Study)
2. Roundabout Feasibility Study (Roundabout Study)

These memoranda satisfy DOT's request for further analysis of the proposed design of facilities for the Kihei High School project. We understand from previous email communication that HDOT is requesting two additional analyses to complete its review of this project:

1. An evaluation of grade-separated pedestrian crossing warrants and other considerations to determine the appropriate pedestrian facilities at the intersection of Pi'ilani Highway and Kulanihako'i Street.
2. An operations analysis and feasibility assessment of a proposed roundabout at the same intersection, where the roundabout was originally proposed.

To that end, the Pedestrian Crossing Study addresses HDOT's specific request for evaluating pedestrian warrants and the appropriate crossing facilities of the highway. Additionally, that document satisfies the Hawaii State Land Use Commission's Condition 105 requiring completion of a pedestrian route study.

The Roundabout Study was developed based on a recommendation from the original *Safe Routes to Kihei High School: Pedestrian Route Study* (Draft Report, June 2014) published by the Walkable and Livable Communities Institute. The roundabout was identified as a potential traffic control device alternative but did not include a detailed operations study to determine its viability to serve



adequately both vehicles and pedestrians. Our roundabout study addresses issues regarding vehicle capacity and potential operations issues for pedestrians and bicyclists at the intersection with this device in place.

We are seeking approval of these studies, in addition to the original October 2014 TIAR prepared by WOA, to allow construction of the high school and the proposed improvements in HDOT right of way to move forward. Please let us know if you have any questions or need any additional information to complete your review and approval process.

Sincerely,

FEHR & PEERS

Rachel Miriam Neumann
Senior Transportation Planner

cc: *Sohrab Rashid, TE, Principal, Fehr & Peers*
Nami J.H. Wong, P.E., Hawaii Department of Transportation

LA15-2746

Attachment:

Kihei High School Pedestrian Crossing Study Technical Memorandum
Kihei High School Roundabout Study Technical Memorandum