Fehr / Peers

MEMORANDUM

Date:	November 30, 2017
То:	Katherine Hess, City of Davis
From:	John Gard, Fehr & Peers
Subject:	West Davis Active Adult Community Project – Effects of Nishi Project on Cumulative Traffic Volumes

RS17-3524

This memorandum describes how the addition of the revised Nishi project to the City of Davis Cumulative travel demand model would affect cumulative AM and PM peak hour traffic in the West Covell Boulevard corridor, which features the intersections under study for the West Davis Active Adult Project EIR. The current version of the Nishi project, which is situated south of downtown Davis, would consist of 635 student housing units and 65 low income apartments.

Images 1 and 2 show the AM and PM peak hour directional link-level plots of the cumulative model without the Nishi project in place. These volumes are obtained directly from the model, and therefore do not match the forecasts from the EIR because the difference method forecasting procedure has not been applied. Forecasts are shown in the SR 113/Covell Boulevard interchange vicinity.

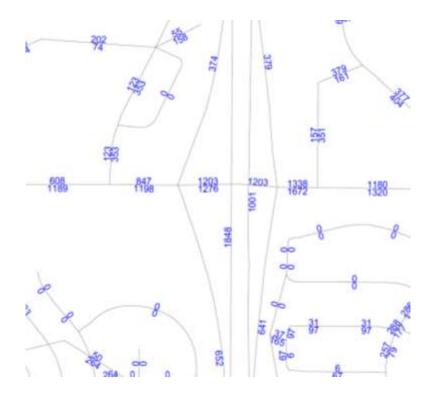


Image 1: Cumulative AM Peak hour volumes without Nishi Project

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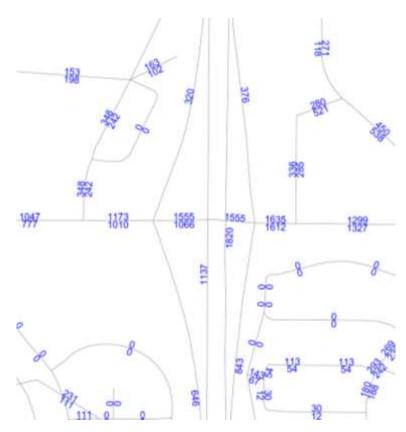


Image 2: Cumulative PM Peak hour volumes without Nishi Project

Images 3 and 4 show the AM and PM peak hour directional link-level plots of the cumulative model without the Nishi project in place.

During the PM peak hour, the Nishi project would result in a net increase of seven westbound trips and four eastbound trips on West Covell Boulevard west of SR 113. East of SR 113, it would result in a net increase of nine westbound trips and eight eastbound trips. These volumes would represent a 0.5 percent increase over the cumulative no project forecasts from the EIR. The increase is even more modest during the AM peak hour (net change of five trips or less). Since the EIR followed the common practice of rounding cumulative volumes (for each individual intersection turn movement) to the nearest ten, it follows the change in traffic caused by Nishi at the West Davis Active Adult Project EIR study intersections would have less effect than the rounding itself and therefore be considered negligible.

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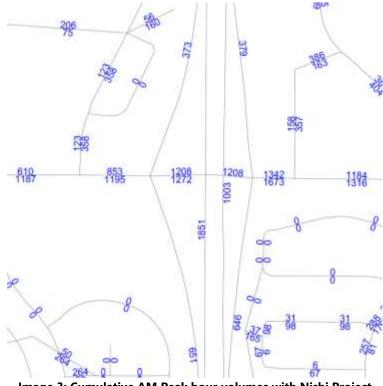


Image 3: Cumulative AM Peak hour volumes with Nishi Project

