



KITTELSON & ASSOCIATES, INC.

TRANSPORTATION ENGINEERING / PLANNING

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MEMORANDUM

Date: September 21, 2016

Project #:
19323.03

To: Francis Franco

From: William Oliver, Jennifer Musselman, Kristine Connolly

Project: Lake-Sumter MPO Traffic Management System

Subject: Review of the Raney Manufacturing Facility Traffic Impact Study

At the request of Lake-Sumter MPO, Kittelson & Associates, Inc. (KAI) was retained for a review of a traffic impact analysis for the Raney Manufacturing Facility in the City of Groveland, Florida and submitted by Traffic Planning and Design, Inc. The following comments / questions have arisen from this review.

- General Format:
 - Include section headers consistent with the Lake-Sumter MPO requirements for traffic impact analyses. Some sections are missing, including Planned and Programmed Improvements, Committed Developments, Pertinent Future Roadway Information, etc.
- Introduction:
 - Include a description of the study area / area of influence in the introduction. It would be helpful to have a graphic clearly labeling the study intersections.
- Proposed Development and Trip Generation:
 - A future office building is shown in the site plan. If trips for this facility are not included in this analysis, a separate TIS will be required for this future development.
 - Please explain the source of 639 vph for the peak hour capacity of Independence Boulevard.
 - Were AM peak counts performed to ensure that traffic volumes are highest during the PM peak? There would be more entering site traffic in the AM peak.
 - Clearly label the study intersections on Figure 4.

- In Table 2 and Appendix C, there is a northbound delay shown but no vehicles on the northbound approach.
- The existing traffic volumes in Figure 3 do not match the count data. If an adjustment factor was applied (i.e. seasonal factor), please state this clearly in the report text.
- It would seem appropriate for a greater portion of site traffic to be distributed to/from US 27/SR 25, given the peak hour volumes relative to SR 19 and the counted turning movements.
- The site plan indicates a cross-access to the parcel of land to the west. If vehicles need to circulate from one site to the other, cross access is desirable to avoid use of Independence Blvd. However, the location of the access connection relative to the existing driveway will be awkward for vehicles to negotiate. Since traffic volumes using the cross-access will likely be very low, please review the need for this cross-access. If the two sites are related uses and person-travel (rather than vehicular travel) between the two will be common, then consider rearranging on-site buildings to make walking between the two a more viable option. Why is cross-access not provided to the parcel to the east?

The Lake-Sumter MPO reviews traffic studies for the City of Groveland and reports the findings of the review and if appropriate, makes recommendations related to the traffic study. Approval of the traffic study and the overall project is the sole responsibility of the City.