

PUBLIC WORKS DEPARTMENT

2015-773
LV2



December 2, 2015

MEMORANDUM

TO: Bruce Lewis
City Planner Supervisor, Planning Department

FROM: Nelson Caparas
Chief, Traffic Engineering Division

Subject: **Village Square (IKEA) PUD
R-2015-773**

Upon review of the referenced application, and based on the information provided to date, the Traffic Engineering Division has the following comments:

1. A traffic study must be conducted for the entire development and include an assessment of operational conditions at all proposed accesses to Gate Parkway. The traffic study shall include the following items:
 - trip distribution (projected volumes and percentage of trip generation arrival/departure by roadways)
 - queue storage analysis of all right and left turns into the site with the consideration that the existing south/east site access will be removed or closed.
 - queue storage analysis from Point Meadows Drive to the site and both right and left turns onto Gate Parkway.
 - weekday PM peak period traffic volumes
 - Saturday projected hourly entering and exiting volumes during peak periods
 - truck entering and exiting travelways at the access point and within the facility
2. Provide traffic signal plans illustrating the required modification to the existing traffic signals at Gate Parkway and Point Meadows Drive intersection.
3. Provide pavement marking plans illustrating the existing and proposed striping for all approaches to the Gate Parkway and Point Meadows Drive intersection.
4. The main entrance, described as the site access across from Point Meadows Drive, must have a minimum throat length with the capacity to accommodate the projected volume of vehicles in the built up queue in each cycle of the traffic signal. This is to prevent unserved demands that generate congestion and blockage at the intersection.
5. Any proposed signs, fence, wall and landscaping shall be located so that they do not obstruct horizontal line of sight as outlined in FDOT Index 546.

Please understand that this does not constitute approval of the design elements. Approval of the design elements (driveway location, dimensions, roadway geometry, traffic circulation, etc.) shall be

TRAFFIC ENGINEERING DIVISION

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facilitated through the 10-set and 10-set review process. If you have any questions or require any additional information, please advise.

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