

Sunrise Preschool Addition – Traffic Impact Study Executive Summary

Project Description

- Location: ½ mile south of Virginia Avenue on Sunrise Boulevard (Jasmine Avenue & Sunrise Boulevard)
- Size: 3,049 SF additional building & 3,484 SF existing building
- Major Area on Influence Boundaries: Sunrise Boulevard, Edwards Road, South 25th Street, Oleander Boulevard, Virginia Avenue, and US Highway No. 1
- Significant Roads: Sunrise Boulevard and Edwards Road
- Significant Intersections: Sunrise Boulevard & Edwards Road, Sunrise Boulevard & Virginia Avenue

Project Traffic

- Trip Generation: "ITE Manual - Code 565" 3,049 SF
 - ADT = 181 Vehicles/day
 - AM Peak Hour = 28 Vehicles/peak hour
 - PM Peak Hour = 28 Vehicles/peak hour
- AM Peak Hour Directional % (ingress/egress): 53% entering (15 vph)/47% exiting (13 vph).
- PM Peak Hour Directional % (ingress/egress): 47% entering (13 vph)/53% exiting (15 vph).
- Traffic Count Factors Applied: 0.5% annual growth to 2017 forecast year.
- Internal Capture: none
- Pass-by Capture: 25% (new trips = 75%)

Findings

- The traffic impact of the Sunrise Preschool addition will have a minimal effect on the levels of service within the project impact area.
- This report shows that there are no changes in the Level of Service of the roadway network as a result of the proposed project.
- This report shows that there are no changes in the Level of Service of the intersections as a result of the proposed project.
- The following roadway links experience a LOS of E in both the Pre-Development and Post-Development Condition:
 - US Highway 1 – North of Virginia Ave

The proposed project contributes less than 1% on the above mentioned roadway links. As such the project impact on this intersection is de minimis.

- The following intersections experience a LOS of E in both the Pre-Development and Post-Development Condition:
 - 25th Street and Virginia Ave
 - US Highway 1 and Edwards Road

The proposed project contributes less than 1% on the above mentioned roadway intersections. As such the project impact on this intersection is de minimis.