

Traffic Management Plan

1.0 Introduction

The subject parcel, 1702 Village Green Dr. at Port St. Lucie. The parcel ID for this unit is:4412-504-0001-000/1 The proposed development is for Z-Axis Sports Academy. The purpose of this report is to provide a Traffic Operational Plan detailing the Academy's proposed operations, onsite queuing, circulation, parking.

2.0 Projected Enrollment

Age Group	Workout hours (Mondays-Fridays)	Max limitations
10-14	3-4:30PM	8 Per day
14-18	5-7PM	10 per day

3.0 Start Times

Training Day Start Time: 3:00pm

Training Day Ends Time: 7:30pm

Student Drop Off Times: 2:45pm-5:00pm Student Pick Up Times: 4:30pm & 7:00pm

4.0 Traffic Generation

The traffic generated by the proposed development was estimated using trip rates published in ITE's Trip Generation for Land Use Codes (LUC's) that most closely correlate with site programming – specifically Batting Cages (LUC 433). On this basis, the proposed development is estimated to generate approximately 2 trips per batting cage at peak hour. The numbers below are based on 80% of total enrollment being picked up at dismissal time. The remainder will use our transportation or participate after school activities at the school. The specific programming of the Academy would necessitate at the very most 8 trips at PM-peak hour.

5.0 Traffic Circulation and Queuing

Parents coming from the Village Green Dr. will most likely enter via SE Industrial Blvd turn left into parking, drop off Student and continue to exit via Village Green Dr. At the PM Peak Hour, at most 10 students would be dropped off at the same time. The stacking area in front of the proposed building is approximately 80 feet long. This queuing area could accommodate up to 7 cars. Not all cars will be utilizing the queuing lane at the same time, so it is anticipated that the queuing lane directly in front of the Academy could hold anticipated peak hour demand. Any overflow could then be held in an additional 80 feet in front of building B. Therefore, the parking lot can accommodate the demand for stacking and is adequate to hold the maximum peak hour demand. It is not anticipated that any traffic back up on Village Green Dr. or SE Industrial Blvd would occur.

6.0 Vehicle Accumulation

Nine (9) parking spaces are in front of Building A. It is anticipated that n more than 3 spaces would be required for trainers and staff, leaving 6 spaces for parent parking. Parents choosing

to park and wait for two (2) hours until the training class is over may utilize those six (6) spaces. Therefore, the parking lot would be able to accommodate up to 60% of the parents at the maximum PM peak hour. However, also at that time, there is an additional 27 parking spaces that would likely not be used after 5PM. The parking lot would be able to accommodate the demand for parking.

6.0 Parental Responsibility

The parents will be responsible to abide by the rules that are handed out to them at parent orientation. They are expected to follow the cues of the traffic control and move efficiently and responsibly. One of the staff members will be outside at pick up and drop off time. We do not anticipate more than 6-8 cars at once for drop off and pick up.