



Arrival and Departure Summary

**Private Day Care School
Children's Learning Adventure**

Frisco, TX

October 12, 2016

Kimley-Horn and Associates, Inc.
Dallas, Texas

Project #291038001
Registered Firm F-928

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Arrival and Departure Procedure Summary & Contingency Circulation Plan
Proposed Children’s Learning Adventure Childcare Center
SWC Legacy Drive and Stonebrook Parkway
October 12 2016

Introduction:

The purpose of this report is to summarize the circulation method for a proposed childcare center that will be located on the Southwest corner of Legacy Drive and Stonebrook Parkway. Access to the proposed school campus will be provided on Legacy Drive and Stonebrook Parkway via a proposed right-in/right-out driveway and a proposed full access driveway with median opening, respectively.

Arrival and Departure times noted below are approximated based on typical pre-K childcare peaking patterns which typically coincide with working parents’ schedules. Kids are expected to arrive primarily from 6:30-9:00 AM and afternoon departure is primarily between 4:30-6:30 PM. The childcare center will not have any set class times that dictate a specific arrival or dismissal time.

This report will be based on 608 students, which is approximately the number of children for which the school is expecting to be permitted. Additionally, this analysis and representative site plan provides for 50 employees, the maximum number of employees expected to be working at one time. The following table shows the projected departure and arrival numbers for 608 students, actual student distribution may vary by year:

Grade	Students	Arrival/Departure	Time
Infant – Pre-K	507	Arrival	6:30-9:00 AM
Infant – Pre-K	507	Departure	4:30-6:30 PM
After school care	101	Arrival (via van)	3:30-4:00 PM
After school care	101	Departure	4:30-6:30 PM
Total AM arrival	507		
Total PM departure	608		

The school has small vans that pick up children from surrounding elementary schools for after school care, which has been estimated at 101 students for the purpose of this study. After school care kids will arrive around 3:30-4:00 PM, which occurs outside of the peak arrival and departure times for most children. These children are expected to depart during the same time in the evening as the rest of the kids.

Proposed Circulation Operation:

Children’s Learning Adventure’s (CLA) process for arrival and departure methodology is a key component to ensuring security and safety. CLA’s arrival and departure procedure for parents requires that parents park their car in a parking space and physically walk their children into the building. Parents are not allowed to park in the Fire Lane. CLA’s safety and security procedure includes multiple steps:

- 1) Each parent is required to utilize the fingerprint entry scanner at the main entrance of the building
- 2) Then the parents sign in at the front desk, and
- 3) after walking their child(ren) to their classroom(s), sign out at the front desk upon departure.

For after-school pupils, CLA provides transportation from local elementary schools to the facility via vans that are sized to fit into standard parking stalls. The facility is designed for older children to utilize a separate entryway in order to avoid congestion at the main entrance and the vans are parked in front of this secondary entrance. CLA staff escorts the children into the facility and vans are not allowed to unload in the Fire Lane.

This process, and its multiple levels of security, is required as part of CLA’s development agreements with its investors and must be adhered to throughout CLA’s operation.

Queuing Analysis:

Trip Generation Analysis										
Land Uses	Amount	Units	ITE Code	Daily One-Way Trips	AM Peak Hour of School One-Way Trips			PM Peak Hour of School One-Way Trips		
					IN	OUT	TOTAL	IN	OUT	TOTAL
Day Care Center	608	Students	565	2,663	261	231	492	240	271	511

Trip Generation rates based on ITE’s *Trip Generation Manual*, 9th Edition.

As a daycare, there’s no specific arrival or dismissal time that will be observed, so there is more variability to the arrivals and departures than at a more tightly scheduled grade school. Parents are assumed to arrive within 2.5 hour windows during both the morning and the late afternoon. Therefore, the distribution of arrivals will be more spread out, rather than condensed at one brief time interval like most schools experience with concentrated arrivals and dismissals.

Parents must park and enter the facility when they arrive. Parents escorting their children into or out of the facility are expected to be parked approximately 3-5 minutes. During the peak 10 minutes, approximately 15% (77 vehicles) of the total vehicles will arrive and park. A maximum of 50 spaces will be occupied by staff present at the facility, assigned at the discretion of CLA, per the maximum number of staff expected to work at one time. An additional 6 spaces are expected to be occupied by the after-school vans. Based on the range of 3-5 minutes of parked time per vehicle, total maximum turnover of parking spots ranges between 140 and 210 vehicles during any 10-minute period, which provides more than adequate capacity before queuing results.

As previously stated, queuing is not expected to occur as a result of standard arrival and departure operation, due to the provision of adequate parking facilities. Should queuing begin to occur in the Fire Lane, facility management will implement the "Contingency Circulation Plan" provided in this document, routing site entry and exit exclusively to the southeast drive and northwest drive, respectively.

Conclusion:

This circulation summary defines the arrival and departure procedures for the Children's Learning Adventure childcare facility at the SWC of Legacy Drive and Stonebrook Parkway. The circulation summary establishes that passenger loading or unloading is prohibited for this site, and therefore, will not lead to queuing in the City ROW or any City street or alley, nor will any City street be stopped or diverted. The property owner/school administrator is responsible for the administration of company policy as it relates to arrival and departure procedures and subsequent prohibition of drop off of students in any portion of the facility.

CLA understands that the layout of this site will not allow any type of drop off or pick up operation other than what is described in this report. CLA agrees that they can never institute set arrival and/or dismissal times under this Specific Use Permit. CLA agrees to monitor traffic conditions around the school and will prevent parent traffic from queuing up in the public ROW.

A handwritten signature in blue ink, appearing to be 'Mark Harris', is located below the text. The signature is stylized and written in a cursive-like font.

Prepared by:

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