

TRAFFIC MANAGEMENT PLAN



Hunter W. Lemley

COVENANT SCHOOL CITY OF DALLAS

Introduction

The services of **Pacheco Koch** (PK) were retained by Good Fulton & Ferrell Architects to prepare a Traffic Management Plan (TMP) for zoning approval in the City of Dallas for Covenant School (the "School") located at 7300 Valley View Lane in Dallas, Texas. This TMP is site-specific and relates to the peak traffic activity associated with school traffic at the site.

School Description

- Type: **Existing Private School**
- Address: **7300 Valley View Lane, Dallas, Texas**
- Grades: **Kinergarten-12th Grade**
- Start/End Times:
 - Elementary School: **8:15 AM – 2:45 PM**
 - Middle School: **8:00 AM – 3:15 PM**
 - High School: **8:00 AM – 3:00 PM**
- Existing Zoning/Proposed Zoning: **PD 143/PD Amendment**
- Existing Enrollment: **651 Students (K-5th: 308; 6th-8th: 169; 9th-12th: 174)**
- Future Enrollment: **No change**

Planned Development
District No. 143

Approved
City Plan Commission
July 23, 2020



7557 Rambler Road, Suite 1400
Dallas, Texas 75231-2388
(972) 235-3031 www.pkce.com
TX.REG: ENGINEERING FIRM F-469
TX. REG. SURVEYING FIRM LS-100080-00

June 29, 2020

School Access

- Adjacent Streets:
 - Lyndon B. Johnson Service Road: two lanes, one-way operation, no median
 - Valley View Lane: two lanes, two-way operation, no median
- Projected Travel Modes (Elementary/Middle/High):
 - Bus: **0%**
 - Walk: **0%**
 - Students Drivers: **0%/0%/40%**
 - Picked Up by Parent: **95%/95%/55%**
 - Other (After School Activities, etc.): **5%/5%/5%**

*Enrollment and Travel Mode Data gathered by on-site observations

- School Zones
 - School zones do not exist in the immediate vicinity of the school

TRAFFIC MANAGEMENT PLAN

A summary of existing conditions from observations performed on Monday, December 9, 2019 is provided below:

- The school operates with a managed loading protocol. Parent pick-up activity in the afternoon occurs on-site, just north of the school building area.
- Parent drop-off activity in the morning peak has a similar protocol as the parent pick-up in the afternoon. Generally, excessive traffic delays and queuing were not evident during school morning peak.
- Parents also have the option to park in available parking spaces within the parking lot north of the school building area to walk up to the school building to pick-up the student. The Plan provides for 45 parking spaces to be used for pick-up. See **Exhibit 1** for an approximate percent of parents who choose to park instead of participating in any carpool system
- Covenant school does not have a bus system for students nor do students walk to and from the school. All students are either picked up by parent vehicle or drive to school.

June 29, 2020

- Student Parking is located in the back two rows of the school parking lot. All other parking is for staff and/or visitors.
- The school provides ample staff assistance to help students get to the queuing area and into the appropriate vehicle for pick-up. No crossing guards are needed for the school's traffic management strategies.

A graphical summary of specific recommendations and proposed conditions is provided below and depicted in **Exhibit 1**:

1. **Increase separation of dismissal times from current conditions to a minimum of 20 minutes (30 minutes desirable)**
 - Traffic is to enter the site via the Lyndon B. Johnson Service Road and via Valley View Lane. Valley View Lane dead ends into the school site that is secured by a gate. Ingress traffic is to enter the site through Valley View Lane and circulate around the site in a counter-clockwise pattern. Egress traffic is to exit the site via the private roadway that is located west of the building. The private roadway exits onto the Lyndon B. Johnson Service Road.
 - For athletic events, particularly for the field on the property south of the school building, traffic management operations are much like the operations for arrival and dismissal for normal school hours. Traffic enters the site via the Lyndon B. Johnson Service Road and via Valley View Lane. Ingress traffic is to enter the site through Valley View Lane and through the dead end that leads to the secured gate for the school and then, traffic is to circulate around the site in a counter-clockwise pattern. Attendees for the school's athletic events are to use the parking provided on site, north of the school building. Egress traffic is to exit the site via the private roadway that is located west of the building. The private roadway exits onto the Lyndon B. Johnson Service Road.

June 29, 2020

Acknowledgement Statement

REVIEW AND COMMITMENT

This school traffic management plan (TMP) for Covenant School was developed with the intent of optimizing safety and efficiently accommodating vehicular traffic generated during the school's typical student drop-off and pick-up periods. This plan was developed with direct input from individuals familiar with the general characteristics of the traffic needs of the school. It is important to note that a concerted and ongoing effort by and the full participation of the school administration are essential to accomplish these goals.

By the endorsement provided below, the school administration hereby agrees to implement, adhere to, and support the strategies presented in this TMP for which the school is held responsible until or unless the City of Dallas deems those strategies are no longer necessary or that other measures are more appropriate.



Signature

June 29, 2020
Date

Name: Robert Littlejohn

Title: CEO/Head of School

END OF MEMO

GENERAL NOTES:
 1. The subject school administration shall issue a formal communication that summarizes the intent of the Traffic Management Plan at least once every school year.
 2. Front of queue must begin at the edge of pavement as shown on the plan, thus requiring students to walk to the front of the driveways. This is to maximize on-site queuing.
 3. Parent drop-off activity in the morning has a similar protocol as the parent pick-up in the afternoon. Generally, excessive traffic delays and queuing were not evident during the morning peak.

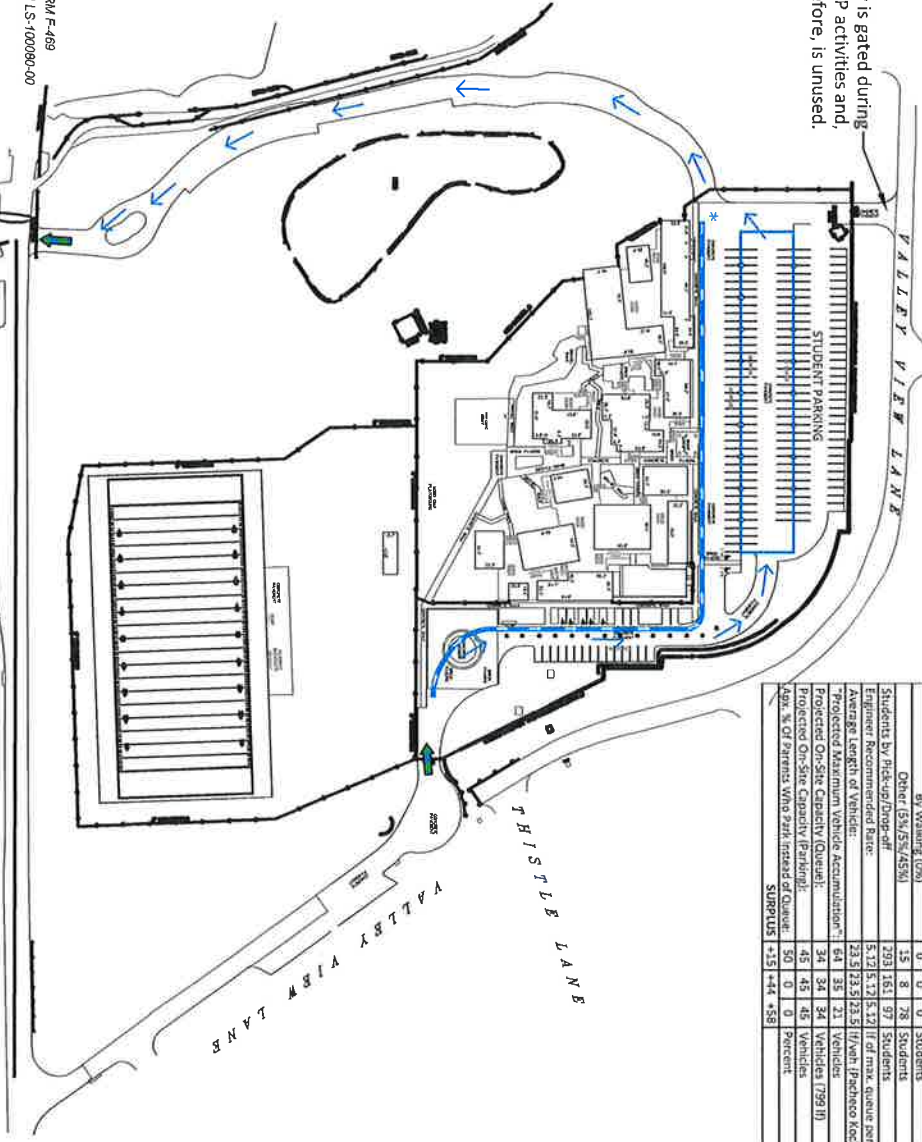
PROPOSED TRAFFIC MANAGEMENT STRATEGIES

Student ID System: **Managed Loading System**
 # of Staff Assistance: **6-10 Staff Members**
 # of Crossing Guards: **None**

Proposed Parking*	Vehicles
Parking Supply	235
Parking Demand	190
Surplus	+45

*Assumes 100% Occupancy and 100% Turnover Rate.

Vehicle Accumulation/Capacity	Notes
Projected Enrollment	308 189 174 Students (Elem/Middle/High)
Deductions	
By School Bus (0%)	0 0 0 Students
By Walking (0%)	0 0 0 Students
Other (83%/5445%)	15 8 78 Students
Students by Pick-up/Drop-off	329 181 97 Students
Engineer Recommended Rate	5.12 5.12 5.12 (1 of max. queue per student)
Average Length of Vehicle	23.5 23.5 23.5 (ft) (PICKUP/DRIVER)
Projected Maximum Vehicle Accumulation*	64 35 21 Vehicles
Projected On-Site Capacity (Queue):	34 34 34 Vehicles (799 ft)
Projected On-Site Capacity (Parking):	45 45 45 Vehicles
Avn. % of Parents Who Park Instead of Queue	50 0 0 Percent
SURPLUS	+15 +44 +58



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Proposed Conditions

RECOMMENDATIONS

1. Increase separation of dismissal times from current conditions to a minimum of 20 minutes (30 minutes desirable)

HUNTER W. LEMLEY
 125343
 PROFESSIONAL ENGINEER

TX. REG. ENGINEERING FIRM F-469
 PK 2760-19 354
 TX. REG. SURVEYING FIRM LS-100090-00
 (AUV. 06/26/20)

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- LEGEND**
- ➡ Access Point
 - ➡ Queue Area (Conventional Loading)
 - ➡ Circulation/Flow
 - ➡ Access Point
 - ➡ Traffic Cone
 - ➡ Parent Waiting Area
 - ➡ Queue Area (Managed Loading)
 - ➡ Staff Assistance

LEVEL	STUDENTS ENROLLED
Kindergarten	48
1st Grade	52
2nd Grade	51
3rd Grade	53
4th Grade	53
5th Grade	51
6th Grade	57
7th Grade	56
8th Grade	56
9th Grade	55
10th Grade	43
11th Grade	47
12th Grade	29
TOTAL	651

BACKGROUND:
 Approving Agency: City of Dallas
 Private School
 Event Type: Covenant School
 Event Organizer: Covenant School
 Event Time(s)/Date (s): Weekend mornings & evenings
 On-Site Contact: Robert Littlejohn/Head of School/(714) 358-5818

NOTE: This drawing is conceptual only and does not reflect a detailed design. Site plan designed and provided by others

EXHIBIT 1

Traffic Management Plan

DSD Covenant School, Dallas, Texas

Pacheco Koch