

November 16, 2020

PK# 4805-20.605

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TRAFFIC MANAGEMENT PLAN

Zion Lutheran School
CITY OF DALLAS



Hunter W. Lemley

Introduction

The services of **Pacheco Koch** (PK) were retained by Zion Lutheran Church and School to prepare a Traffic Management Plan (TMP) for zoning approval in the City of Dallas for Zion Lutheran School (the "School") located at 6121 East Lovers Lane Dallas, Texas. This TMP is site-specific and relates to the peak traffic activity associated with school traffic at the site.

School Description

- Type: Private School
- Address: 6121 East Lovers Lane
- Grades: Pre-K - 8th Grade
- Start/End Times:
 - 8:15 AM – 3:30 PM
- Existing Zoning: SUP 2114
- Existing Enrollment:
 - 99 (Pre-Kindergarten)
 - 97 (Kindergarten – 5th Grade)
 - 51 (6th Grade – 8th Grade)

School Access

- Adjacent Streets:
 - Lovers Lane: Six lanes, two-way operation, median-divided [school zone]
 - Skillman Street: Six lanes, two-way operation, median-divided



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TX.REG: ENGINEERING FIRM F-469
TX. REG. SURVEYING FIRM LS-100080-00

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TRAFFIC MANAGEMENT PLAN

A summary of existing conditions from observations performed on November 5th, 2020 is provided below:

- Parent pick-up activity currently occurs within the site in the eastern parking lot. Separate queue lines are utilized that circulation around the northern and eastern sides of the school building. Pre-Kindergarten drop-off/pick-up occurs at the existing turnaround area located at the southwestern portion of the school building.

Traffic Management Operations

- Pre-Kindergarten:

Parent traffic is to enter the area via Lovers Lane and enter the school site through the western parking lot. Ingress traffic shall queue in the provided queueing area just south of the school building in a one-way directional flow.

Traffic is to exit continuing south and turning right to travel west on Lovers Lane after the vehicle has sufficiently unloaded/loaded the student(s) out of/into the vehicle.

- Kindergarten – 8th Grade:

Parent traffic is to enter the area via Lovers Lane and enter the school site through the eastern parking lot. Ingress traffic from the parking lot will travel through the eastern portion of the parking lot where circulation will travel in a counter-clockwise flow. Traffic shall queue in two separate lines in a one-way directional flow and wrap around the northern and eastern sides of the school building. Actual unloading/loading shall occur in the area along the eastern side of the school building in front of the school office.

Traffic is to exit continuing west for the north queue and south for the east queue after the vehicle has sufficiently unloaded/loaded the student(s) out of/into the vehicle. Traffic is then to exit the site towards Skillman Street or Lovers Lane.

Staff assistance shall be present to allow students to enter the school building in a safe and efficient manner.

No bus loading/unloading occurs on site and minimal students walk to/from home.

No changes to the existing operation are proposed.

A graphical summary of parent pick-up activities is depicted in **Exhibit 1**:

Acknowledgement Statement

REVIEW AND COMMITMENT

This school traffic management plan (TMP) for Zion Lutheran 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.



December 3, 2020

Signature

Date

Name: Jeff Thorman

Title: Minister of Education / Principal

END OF MEMO

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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.
4. Existing condition observations were conducted during the COVID-19 pandemic in 2020. In order to compensate, the school has elected to transfer students on a as-needed basis to the north queue to reduce the possibility of parent vehicles queuing on Lovers Lane.

ADJACENT ROADWAYS:

E Lovers Lane: 6-lane, divided Minor Arterial (M-6-D(A))
 Skillman Street: 6-lane, divided Principal Arterial (M-6-D(A))

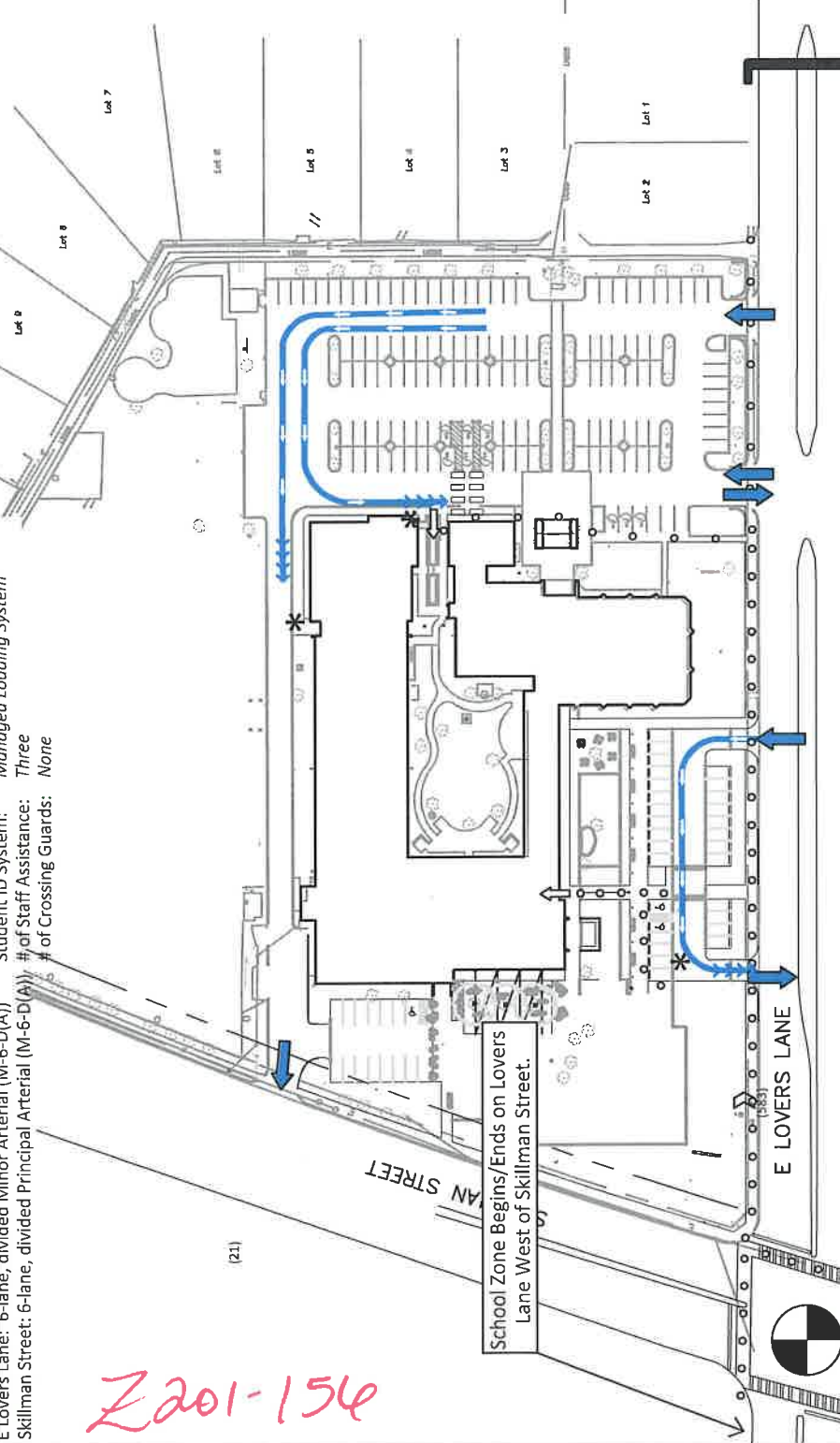
TMP MANAGEMENT STRATEGIES

Student ID System: Managed Loading System
 # of Staff Assistance: Three
 # of Crossing Guards: None

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PROJECT LOCATION



LEGEND

- ◀ - Queue Area (Managed Loading)
- ◀◀ - Front (or Start) of Queue
- ↔ - Circulation/Flow
- ◀ - Pedestrian Access Point
- - Crosswalk
- - Pedestrian Route
- [] - School Zone
- ⏏ - Public Transit Stop (DART Route No.) - (#/#)
- ⚡ - Traffic Signal
- ⚡ - Staff Assistance
- ⚡ - Parent Access Point

The engineer certifies that the results of the queuing analysis—upon complete enforcement of the traffic management plan and its recommendations—indicate that no queuing of vehicles is expected to extend into City of Dallas rights-of-way as a result of internal queuing constraints during the study peak hours of school operation

BACKGROUND:
 Approving Agency: City of Dallas
 Event Type: Private School
 Event Time(s)/Date(s): Weekday mornings & evenings
 On-Site Contact: Mr. Jeff Thorman/Principal/(214) 363-1630

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

Vehicle Accumulation/Capacity	Peak North Street Arrival	Peak South Street Arrival	Students
Projected Enrollment	75	172	Students
Deductions:			
By School Bus (0%, 0%)	0	0	Students
By Walking (0%, 0%)	0	0	Students
Other After School Activities (20%, 20%)	15	34	Students
Paroled (10%, 25%)	8	43	Students
Students by Pick-up/Drop-off	52	98	Students
Engineer Recommended Rate:	5.12	12	If of max. queue per student
Average Length of Vehicle:	33.5	33.5	If/veh (Pacheco Koch Observed)
Projected Maximum Vehicle Accumulation:	11	21	Vehicles (253 W, 464 N)
Projected Off-Street Capacity:	11	42	Vehicles (253 W, 1010 N)
SURPLUS/DEFICIT	0	+20	*Information given by school

PRELIMINARY
 NOT FOR CONSTRUCTION

THIS DOCUMENT IS ISSUED FOR THE PURPOSE OF SCHEMATIC REVIEW ONLY AND IS NOT INTENDED FOR PERMITTING, BIDDING, OR CONSTRUCTION PURPOSES.

PLANS PREPARED UNDER THE DIRECT SUPERVISION OF HUNTER W. LEMLEY, P.E. TEXAS REGISTRATION NO. 125343
 DATE: 11/16/20

EXHIBIT 1 Z

Traffic Management Plan
 Zion Lutheran School, Dallas, Texas

Pacheco Koch