LAMBETH
ENGINEERING
ASSOCIATES PLLC
Texas Registered Engineering Firm F-19508



Traffic Management Plan
AC Black Elementary School

September 23, 2022

Introduction

The services of Lambeth Engineering Associates, PLLC, (herein Lambeth) were retained to conduct a traffic management plan (TMP) for a new school named AC Black Elementary School (AC Black ES). This school will combine students from two existing schools: EM Pease Elementary School (Pease ES) and WW Bushman Elementary School (Bushman ES). The purpose of this TMP is to ensure safe vehicular and pedestrian circulation during peak morning drop-off and afternoon pick-up periods. Below is general information about AC Black.

School:

- Location: 4200 Bonnie View Road, Dallas, Texas 75216
- School District: Dallas Independent School District
- AC Black Principal: Sharri C. Zachary, MAIS
    - Current Bushman ES Principal: Yolanda Knight
    - Current Pease ES Principal: Sharri C. Zachary, MAIS
- School Times: 7:45 AM – 3:15 PM

SEE STAFF COMMENTS ON SUP SITE PLAN.

Zoning:

- Existing Zoning: Single Family, R-5(A)
- Proposed Zoning: Planned Development
- Project: The existing Bushman ES facility, will be demolished and a new school will be constructed on the site, which will accommodate students from the two existing schools: Pease ES and Bushman ES. The new school's name will be AC Black Elementary School.

Students:

- Existing Student Enrollment: Bushman ES: 342 students in grades EC – 5th
  Pease ES: 487 students in grades Pre-K – 5th
- Planned Student Capacity: 850 students (243 in Pre-K – K and 607 in 1st – 5th grades)

School Access:

- Surrounding Roadways:
    - Bonnie View Road: Local Street, Two-lane, undivided roadway, approximately 44 feet wide
    - Linfield Road: Local Street, Two-lane, undivided roadway, approximately 25 feet wide
- Sidewalks are provided on all streets adjacent to the school.

Traffic Management Plan

Queue

Lambeth met with DISD staff and the school principals during the process of developing the TMP. Traffic observations were conducted on the following dates and times at WW Bushman and EM Pease Elementary:

- Tuesday, March 1, 2022 – PM Dismissal (Bushman ES)
- Friday, March 4, 2022 – AM Arrival (Bushman ES)
- Friday, April 1, 2022 – PM Dismissal (Bushman ES and Pease ES)

The peak queue of parent vehicles picking up students at Bushman ES was observed to be about 64 vehicles, approximately one vehicle per 5.3 students. The peak queue of parent vehicles picking up at Pease ES was about 61 vehicles, approximately one vehicle per 8 students. When AC Black ES begins enrolling students from both schools, it's expected there will be a significantly higher percentage of students riding school bus. For planning purposes, a rate of one parent vehicle per 5.5 students is used for this TMP for Pre-K and K students, and one vehicle per 7 students for 1st – 5th grade students.

The peak period of parent vehicles accumulating at the school occurs during the afternoon dismissal period. Currently, parents park on streets at both Bushman ES and Pease ES to pick up students. The new AC Black ES will have queue lanes for parents to wait on site to pick up students. Teachers and staff will be assisting with the vehicular queue and the student loading and unloading efforts.

The projected vehicular accumulations are summarized in **Table 1** below. As shown, the proposed site plan has adequate space to accommodate the parents on-site.

Table 1. TMP Summary

	Travel Modes		Loading Area	Projected Parent Vehicles	Provided Spaces for Parents	Surplus Availability for Parents
Grades: Pre-K - 5th	Parents	65%	Pre-K - K	44 Veh. (1,034 Feet)	48 Veh. (1,132 Feet)	4 Veh. (98 Feet)
	Walkers	10%				
	Buses	25%	1st - 5th	87 Veh. (2,045 Feet)	90 Veh. (2,105 Feet)	3 Veh. (60 Feet)
Student Capacity: 850	**School Times**					
	Beginning:	7:45 AM	**Total**	131 Veh. (3,079 Feet)	138 Veh. (3,237 Feet)	7 Veh. (158 Feet)
	Dismissal:	3:15 PM				

Recommendations

The TMP recommendations are described below and shown in **Exhibit 1**.

SEE STAFF COMMENTS ON SUP SITE PLAN.

Students

1. Pre-K – K Students: Drop off and pick up on the east side of the building.
2. 1st – 5th Grade Students: Drop off and pick up in front of the building.
3. Students waiting for parents to pick them up should remain in the designated areas and wait for their parents' arrival.
4. Students walking home should be instructed to walk along sidewalks and cross at crosswalks with crossing guards. Students should not be permitted to cross midblock.

Parents

5. Parents pick up students in the following locations:
    a. On-site:
        i. Pre-K - parents enter the eastern driveway on Linfield Road, queue through the internal access road, pick up students on the east side of the building, and exit via Linfield Road.
        ii. 1st – 5th grade parents enter via Bonnie View Road, queue through the internal access road, pick up students in front of the school, and exit via Bonnie View Drive.
    b. On-street: There should not be a need for parents to park on-street. If they do choose to park on-street, they should only park on Bonnie View Road, adjacent to the school. Bonnie View Road is wide enough to easily accommodate parents parking on-street without obstructing the through traffic.
    c. Parents should not park on Linfield Road.
    d. Parents may not park in the visitors' parking spaces in front of the school during arrival or dismissal since the queue lanes will prevent vehicles from backing up to exit.

Buses

6. Three school buses are planned to serve AC Black ES.

SEE STAFF COMMENTS ON SUP SITE PLAN.

Staff

7. Staff should monitor students at each area where parents are picking up students until all students are dismissed. There should be at least two (2) staff waiting with students in the PreK- K loading area and at least four (4) staff waiting with students in the 1st – 5th grade loading area.
8. Staff should assist students in and out of their parents' vehicles. It is recommended there be at least four (4) staff loading students into parent vehicles at each loading area.
9. Staff should communicate via microphone (or walkie talkie) to announce which parents are arriving so that the corresponding student(s) can proceed to the loading area in the proper sequence.
10. Staff should escort students to the crosswalk so that they cross in groups and not spread out over time which would cause more delays with traffic flow.

Licensed Peace Officers

11. A designated, licensed peace officer is not assigned to either Bushman ES or Pease ES, and one is not recommended at AC Black ES.

Crossing Guards

12. Currently there are two (2) school crossing guards assigned to two intersections: Bonnie View Road/Wilhurt Avenue and Bonnie View Road/Fordham Road. They should continue guarding these two locations when AC Black ES begins to enroll students.

Parking Restrictions

13. Parents should not park around the driveway openings, as illustrated in the TMP exhibit.
14. It is recommended that parking restrictions be added on Linfield Road, as shown on the exhibit, so that parents may safely travel to/from the school's driveway on Linfield Road and not block vehicles proceeding through on Linfield Road.

15. It is recommended that parking restrictions be added on Bonnie View Road, near Wilhurt Avenue, so that parents do not cause congestion at the intersection and the crosswalks.

School Zones

16. Currently there are school zones on Fordham Road, Bonnie View Road, and Linfield Road. It is recommended these school zones to remain.

Off-Site Improvements

17. Some existing signage on streets around the school site is inadequate and should be upgraded. To renew school-related signs to satisfy current TxMUTCD and City of Dallas criteria, Lambeth is working with the Civil engineer, RLG Consulting Engineers. Detailed signing and striping plan will be submitted along with the engineering plans. Lambeth has conducted site visits specifically checking existing school-related signs and to assist with making recommendations for future signs placement.
18. Install "Do Not Enter" and "Exit Only" signs at the front driveway exit, on Bonnie View Road.
19. Install "Buses and Staff Parking Only" signs at the staff parking lot off Bonnie View Road.

Summary

The AC Black Elementary School Traffic Management Plan is designed to provide safe vehicular and pedestrian movement to and from school and can accommodate the projected vehicular queues on campus without obstructing through traffic.

If traffic congestion or unsafe movements are occurred, the TMP plan should be reviewed and updated promptly.

END

REVIEW AND COMMITMENT

The **AC Black Elementary School** traffic management plan (TMP) was developed with the intent of optimizing safety and accommodating vehicular traffic queues generated during school peak hours. A concerted effort and full participation by the school administration are essential to maintain safe and efficient traffic operations.

By consent of this TMP submittal, the school administration agrees to the strategies presented herein for which the school is held responsible unless the City of Dallas deems further measures are appropriate.

The school is also committed to continually review and assess the effectiveness of this plan and if warranted, implement changes in the interest of increasing safety and minimizing impacts on the surrounding community.

Signature: Sharri C. Zachary — Date: 8-4-2022

Name: Sharri C. Zachary — Title: Principal

SEE STAFF COMMENTS ON SUP SITE PLAN.

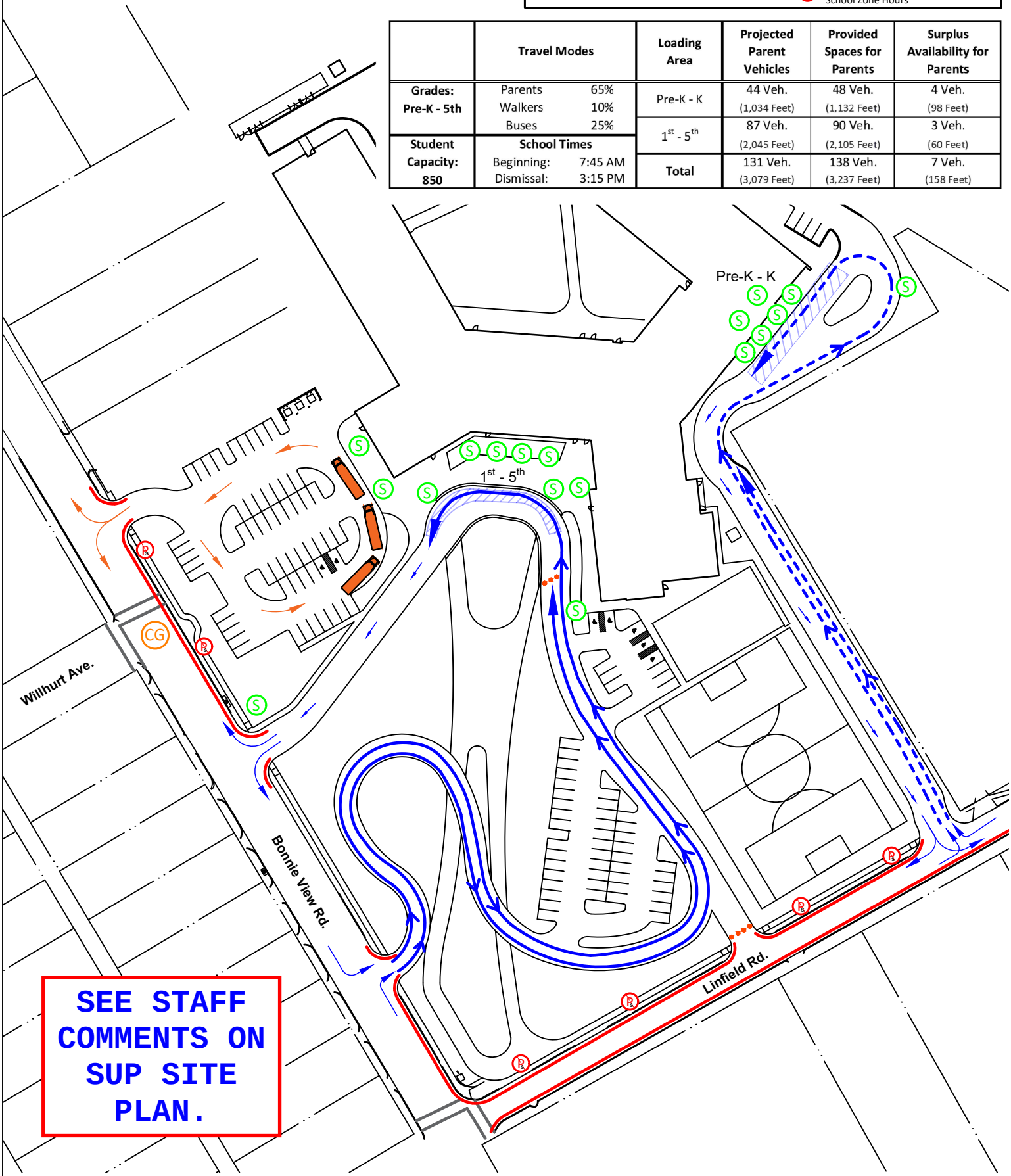
AC Black Elementary School

4200 Bonnie View Road, Dallas, Texas 75126

Legend:

- Pre-K - K Queue
- 1st - 5th Queue
- Traffic Flow
- Parent Pickup:
- Staff
- No Parking
- No Parking During School Zone Hours
- Traffic Cone
- Crossing Guard

	Travel Modes		Loading Area	Projected Parent Vehicles	Provided Spaces for Parents	Surplus Availability for Parents
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1 Traffic Management Plan

Not to Scale

LAMBETH ENGINEERING

TEXAS REGISTERED ENGINEERING FIRM F-19508

CHL 07.25.22

Development Plan Obtained from HKS 07.25.22