

Traffic Management Plan

David W. Carter High School

Z245-152(TB)

June 12, 2025

Introduction

The services of Lambeth Engineering Associates, PLLC, (herein Lambeth Engineering) were retained to conduct a traffic management plan (TMP) for David W. Carter High School (Carter HS). The purpose of this TMP is to ensure safe vehicle and pedestrian circulation during peak morning drop-off and afternoon pick-up periods. It is Lambeth Engineering's understanding that the TMP is required due to the construction activity for the addition of a black box and a dance room. The number of classrooms and the student capacity is to remain approximately the same.

Below is general information about Carter HS.

School:

- Location: 1819 W. Wheatland Road, Dallas, Texas, 75232
- School District: Dallas Independent School District
- School Times: 9:10 AM – 4:30 PM

Zoning:

- Existing Zoning: PD-988
- Proposed Zoning: Amend PD
- Project: Adding a black box room and a dance room.

Students:

- Current Student Enrollment: 1,096 students in 9th – 12th grades.
- Student Capacity: 1,800 students. The additional student capacity is existing and not a result of this project.
- **Table 1** summarizes the total number of students per grade.

Table 1. Current Student Enrollment

Grade	Current 2024 Enrollment	Student Capacity
9 th	340	450
10 th	265	450
11 th	236	450
12 th	255	450
Total:	1,096	1,800

School Access:

- Surrounding Roadways:
 - W. Wheatland Road: Six-lane, divided roadway, approximately 80 feet wide
 - McKissick Lane: Two-lane, undivided roadway, approximately 23 feet wide
 - Algebra Drive: Two-lane, undivided roadway, approximately 35 feet wide
 - Indian Ridge Trail: Two-lane, undivided roadway, varying width 22 – 40 feet
- Sidewalks are provided on all streets adjacent to the school.

Traffic Management Plan

Queue

Lambeth Engineering met with school staff during the process of developing the TMP. Traffic observations were conducted on the following dates and times:

- Thursday, September 26, 2024 – PM Dismissal
- Tuesday, October 1, 2024 – PM Dismissal
- Wednesday, October 2, 2024 – AM Arrival
- Wednesday, October 2, 2024 – PM Dismissal
- Wednesday, October 30, 2024 – PM Dismissal

The peak queue of parent vehicles during student pick up was observed to consist of approximately 59 vehicles. It is important to note that Carter HS has a relatively high percentage of students who ride the bus, which results in a lower proportion of students who walk, drive, or are picked up by parents. This helps explain the lower-than-expected rate of 19 students per parent vehicle.

As anticipated, the peak period of parent vehicle accumulation occurred during the afternoon dismissal. However, most of the traffic clears the campus within ten (10) minutes following the dismissal. Parents tend to arrive in a staggered manner to pick up their students, which helps to minimize congestion and results in a lower-than-average number of vehicles present during the dismissal period. A summary of the current traffic pattern is provided in the **Appendix**.

The projected vehicular accumulations are summarized in **Table 2** below. As shown, the proposed site plan has adequate space to accommodate the parents on-site and on-street, adjacent to the school.

Table 2. TMP Summary

Student Capacity	Current Student Enrollment	Modes of Transportation	Projected Queue Space Needed for Parent Vehicles	On-Site Queue Space for Parent Vehicles	Total Queue Space for Parent Vehicles On-Site/On-Street	Parking Spaces for Parent Vehicles in the Student Lot	Total Queue Space for Parent Vehicles On-Site/Parking Spaces	Surplus Queue Space for Parent Vehicle
1,800	1,096	Buses 65%						
Grades	School Times	Riders 10%	95 Veh. (2,233 Feet)	23 Veh. (538 Feet)	23 Veh. (538 Feet)	121 Veh.	144 Veh.	49 Veh.
9th - 12th	Beginning: 9:10 AM Dismissal: 4:30 PM	Student Drivers 15% Walkers 10%						

Recommendations

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

Students

- 9th – 12th grade students are dropped off and picked up in the student parking lot on McKissick Lane and in the school driveway off W. Wheatland Road. Some students walk to their parents' vehicle waiting on the W. Wheatland Road curb lane, adjacent to the school. The low traffic volumes on W. Wheatland Road during the pickup periods allow for this activity.
- Once school is dismissed, students should walk to their parent's vehicle immediately to help in clearing space for other parent vehicles.
- Student drivers should only park in the designated parking lot and comply with the school's circulation plan.
- Students should not be permitted to park in the staff parking lot.
- Students walking home should walk along sidewalks and cross only at crosswalks with crossing guards, if any. Students should not be permitted to cross midblock.

Parents

- Parents drop off and pick up students in the following locations:
 - On-site:
 - W. Wheatland Road School Driveway: Parents enter the school driveway via the east driveway and may join the designated queue lane. Parents then exit the west driveway onto W. Wheatland Road.
 - Student Parking Lot: Parents may use available parking spaces to wait for their student to come to their vehicle. Parents then exit the student parking lot via the south driveway onto McKissick Lane.
- Parents should be prohibited from parking or queuing in the staff parking lot. It is recommended that the gates to the staff parking lot remain closed during the arrival and dismissal periods.
- Parents should be prohibited from parking on all streets, adjacent to the school, as shown on the TMP exhibit.

Buses

- Twelve (12) school buses serve Carter HS. Bus routes are shown in the **Appendix**. Bus locations are shown on the TMP exhibit.

Staff

- Staff should continue monitoring the students in each area until all students are dismissed.

11. Staff should ensure students are exiting campus quickly and walking to parents' vehicles immediately to help in clearing space for other parents.
12. Staff should monitor and remind student walkers to use sidewalks and encourage students to not cross at mid-block.

Licensed Peace Officers

13. Several designated, licensed peace officers are assigned to Carter HS.
14. It is recommended that as SROs are available that they monitor and enforce the "No Parking – Passenger Loading Curb Lane Only" signs on W. Wheatland Road. Non-parent vehicles were observed using this area and reduces parent vehicle queuing space.

Crossing Guards

15. Currently there are no crossing guards at Carter HS, and none is recommended at this time.

Parking Restrictions

16. Parking should be prohibited around the driveway openings, as illustrated in the TMP exhibit.
17. It is recommended that parents be prohibited from parking in the staff parking lot. Closing the gates while school is in session will assist in this effort.
18. Parents should refrain from parking on W. Wheatland Road, McKissick Lane, or Indian Ridge Trail.

School Zones

19. Currently there is a school zone on W. Wheatland Road within the school limits, as shown in the **Exhibit**.

Speed Limits

20. During our observations speed limits in and out of school zones were being followed. During our observations there was a heavy police officer presence enforcing speed limits on W. Wheatland Road
 - a. W Wheatland Road: 45 MPH; 20 MPH within school zone
 - b. McKissick Lane: 30 MPH
 - c. Indian Ridge Trail: 30 MPH
 - d. Algebra Drive: 30 MPH

On-Site Improvements

21. It is recommended to update the "Do Not Enter" sign and pole at the western school driveway on W. Wheatland Road, as shown in the **Exhibit** and referenced in the **Appendix**.
22. It is recommended to install "Staff Only" signs at the gate of the staff parking lot, as showing in the **Exhibit**.



Off-Site Improvements

23. Update school-related signs to satisfy current TxMUTCD criteria. Detailed description is provided in the traffic assessment memo.
24. It is recommended to install "No Parking" signs on McKissick Lane, as shown in the **Exhibit**.
25. It is recommended to install "No Parking" signs on W. Wheatland Road, as shown in the **Exhibit**.

Summary

The Carter HS 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 and on-street, adjacent to the school, without blocking through traffic.

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

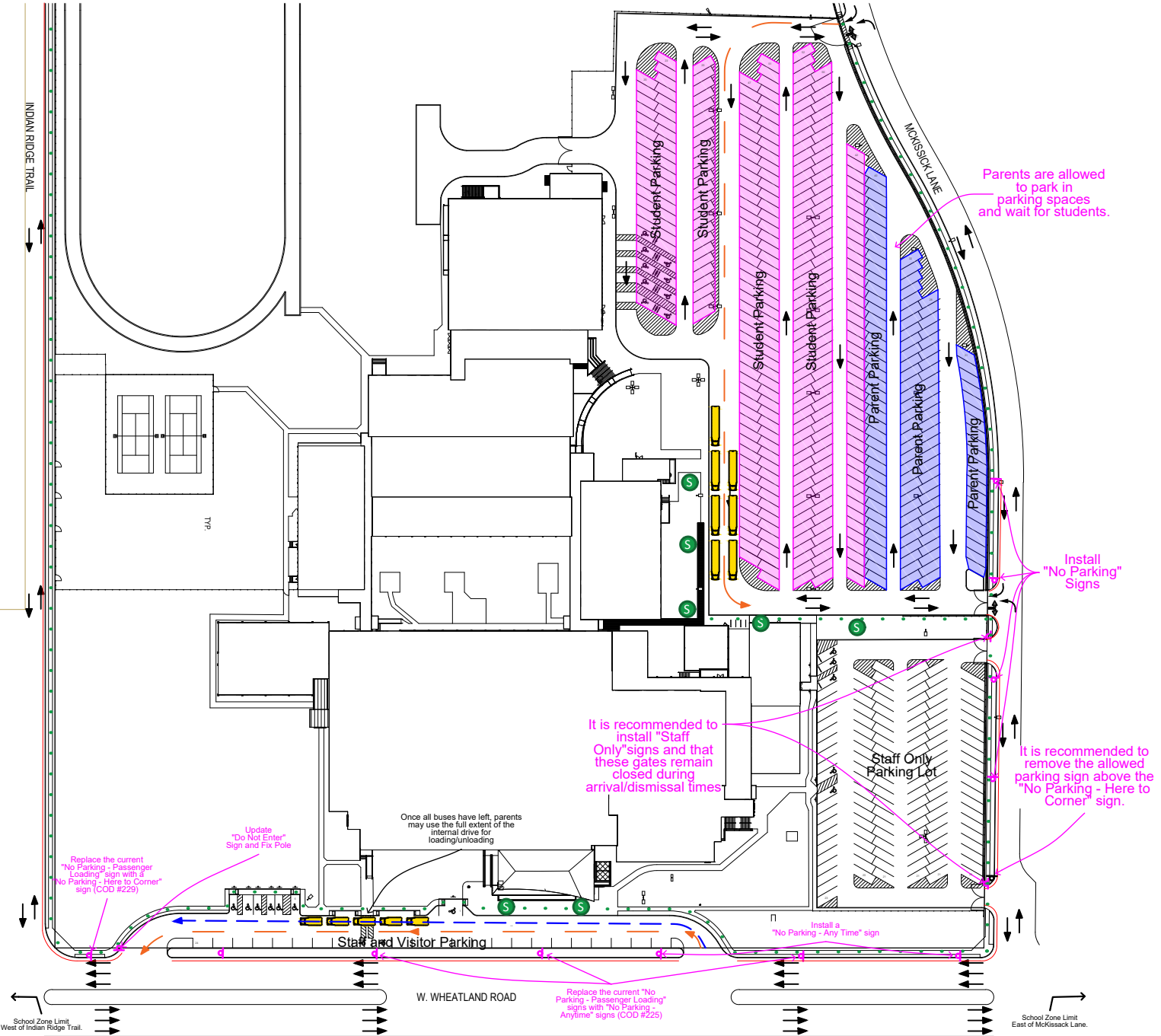
SCHOOL TMP REVIEW AND COMMITMENT	
<p>The school traffic management plan (TMP) for <i>David W. Carter High School</i> was developed with the intent of optimizing safety and efficiently accommodating vehicular traffic generated during the school's typical student drop-off and pick-up periods. A concerted effort and full participation of the school administration are essential to maintain safe and efficient traffic operations.</p>	
<p>By consent of this submittal, 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 through a minor amendment.</p>	
 Signature	 Date
Name: Albert R. Martinez	
Title: <u>Chief of Police</u> <u>Dallas ISD Police Dept</u>	

END

David W. Carter High School

1819 W Wheatland Road, Dallas, Texas

Student Capacity	Current Student Enrollment	Modes of Transportation		Projected Queue Space Needed for Parent Vehicles	On-Site Queue Space for Parent Vehicles	Total Queue Space for Parent Vehicles On-Site/On-Street	Parking Spaces for Parent Vehicles in the Student Lot	Total Queue Space for Parent Vehicles On-Site/Parking Spaces	Surplus Queue Space for Parent Vehicle
1,800	1,096	Buses	65%	95 Veh. (2,233 Feet)	23 Veh. (538 Feet)	23 Veh. (538 Feet)	121 Veh.	144 Veh.	49 Veh.
Grades	School Times	Riders	10%						
9th - 12th	Beginning: 9:10 AM Dismissal: 4:30 PM	Student Drivers	15%						
		Walkers	10%						



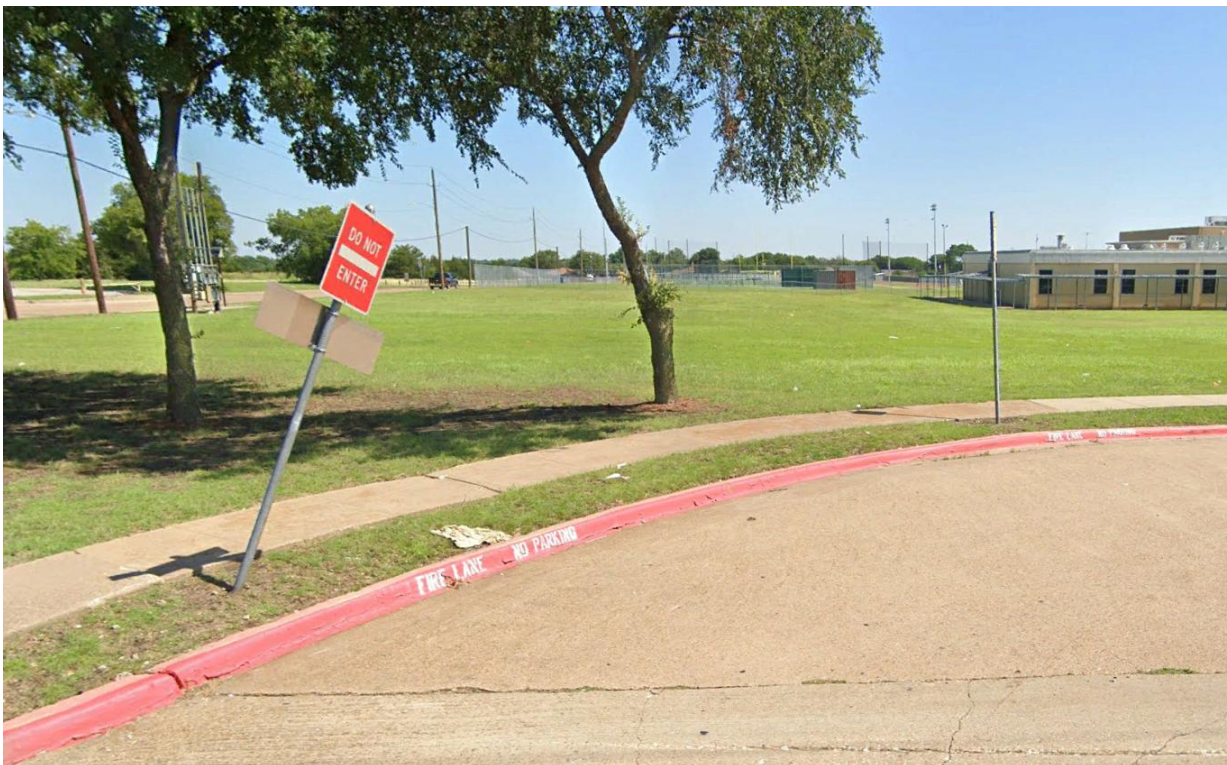
Legend:

Staff	Bus Route	Parent Parking	Student Parking
Bus Loading	Traffic Flow	Pedestrian Pathway	
No Parking	On-Site Queue		

Appendix



Western School Driveway via W. Wheatland Road – “Do Not Enter” sign and pole needs to be updated.



2024-2025

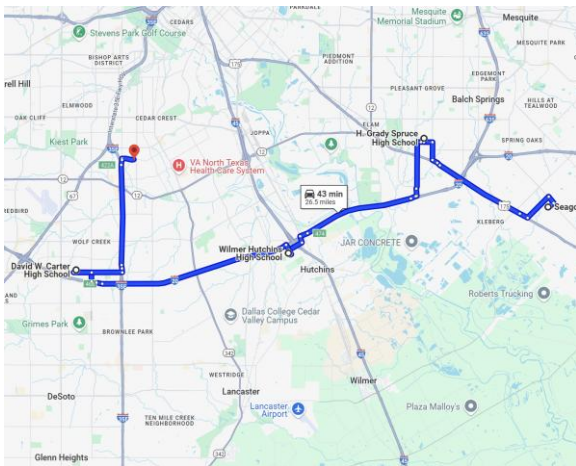
David W. Carter High School

All posted times for bus stops are approximate as there are several variables which may contribute to arrival times such as weather, traffic and other unexpected factors.

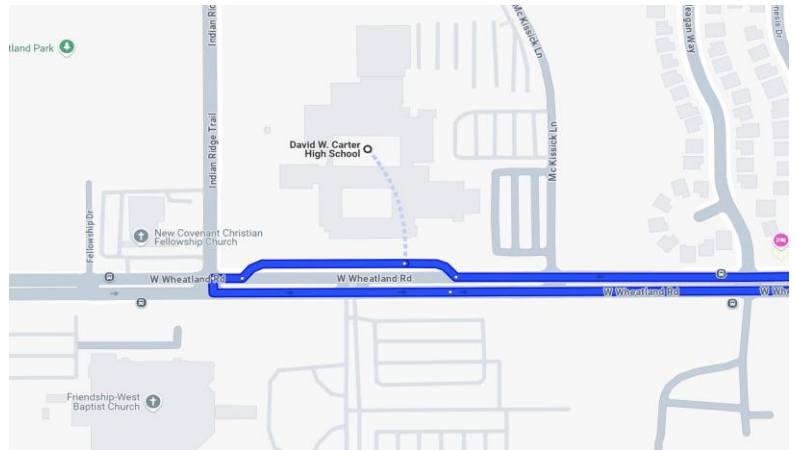
ROUTE	AM PICK-UP TIME	STOP(s) PICK-UP & DROP-OFF LOCATION	PM DROP-OFF
1205	7:40 AM	SEAGOVILLE HS	5:38 PM
	7:55 AM	SPRUCE HS	5:24 PM
	8:10 AM	WHHS	5:09 PM
	8:30 AM	ARRIVE @CARTER HS	4:52 PM
	8:40 AM	ARRIVE @ SOC	4:40 PM

[Route 1205 Google Maps](#)

Route Overview:



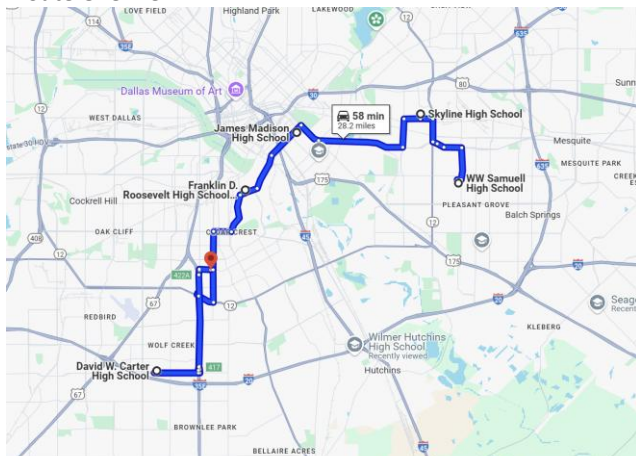
Drop off/pick up at Skyline High School:



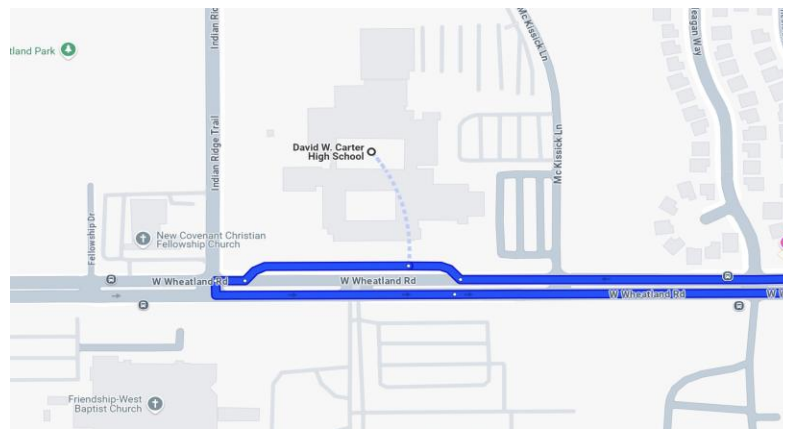
2224	7:20 AM	SAMUELL	5:52 PM
	7:33 AM	SKYLINE	5:38 PM
	7:49 AM	MADISON	5:23 PM
	7:56 AM	ROOSEVELT HS	5:14 PM
	8:06 AM	ARRIVE @ SOC HS	5:03 PM
	8:19 AM	ARRIVE @ CARTER HS	4:52 PM
	8:30 AM	ARRIVE @ SOC HS	4:40 PM

[Route 2224 Google Maps](#)

Route Overview:



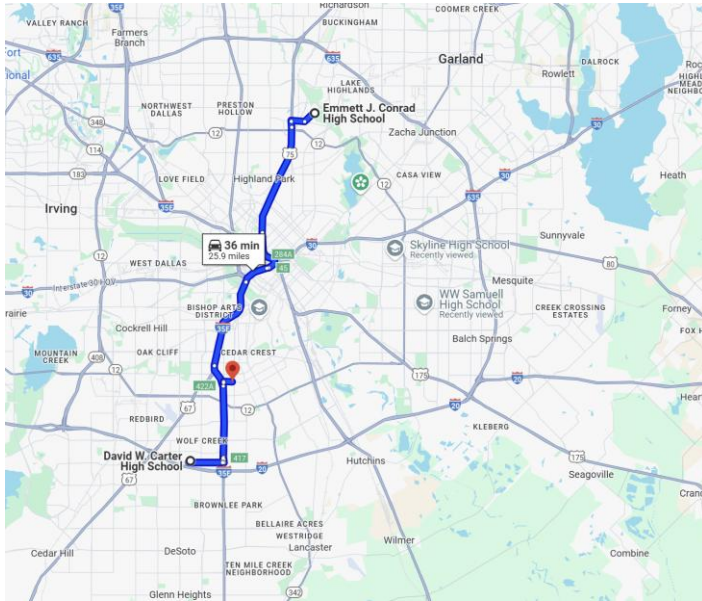
Drop off/pick up at Skyline High School:



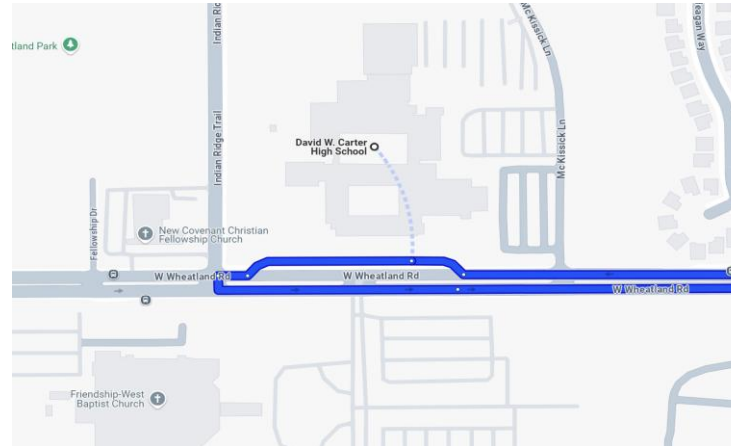
3202	7:47 AM	CONRAD HS	5:31 PM
	8:39 AM	ARRIVE @ CARTER HS	4:52 PM
	8:50 AM	ARRIVE @ SOC HS	4:40 PM

[Route 3202 Google Maps](#)

Route Overview:



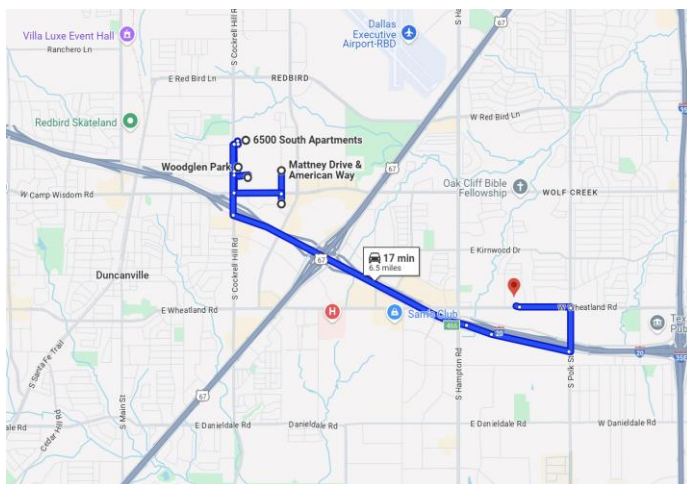
Drop off/pick up at Skyline High School:



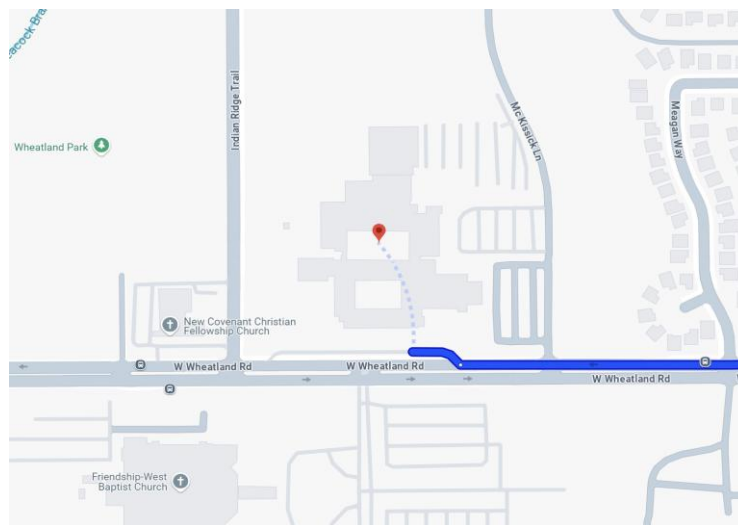
4002	8:14 AM	AMERICAN WAY 75237 & MATTNEY DR 75237	4:47 PM
	8:19 AM	PREFERRED PL 75237 & AMERICAN WAY 75237	4:53 PM
	8:20 AM	WHISPERING HOLLOW 6910 S COCKRELL HILL RD 75	4:57 PM
	8:29 AM	WOODGLEN APTS 6800 S COCKRELL HILL RD 75236	5:03 PM
	8:31 AM	ARBORSTONE APTS 6500 S COCKRELL HILL RD 7523	5:05 PM
	8:33 AM	ARRIVE @ CARTER	5:07 PM

[Route 4002 Google Maps](#)

Route Overview:



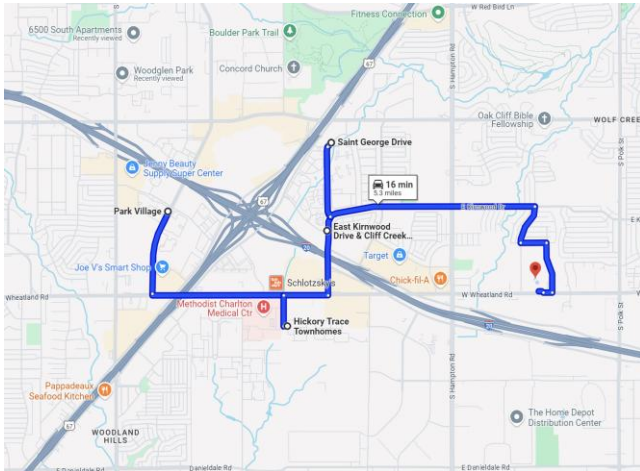
Drop off/pick up at Skyline High School:



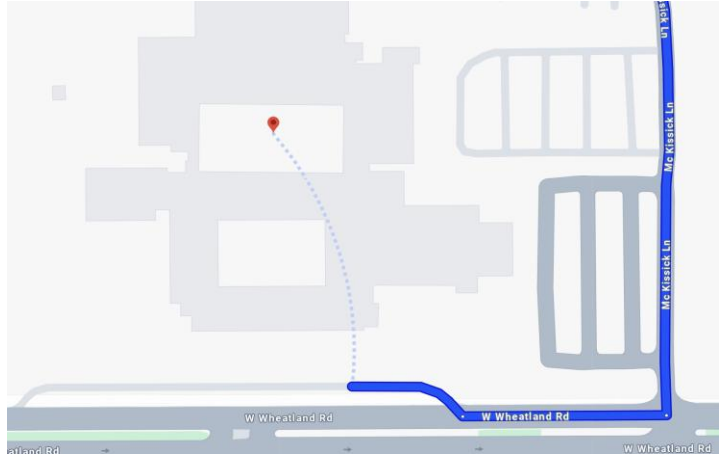
4007	8:16 AM	PARK VILLAGE 7575 S. WESTMORELAND RD(PICK UP	4:56 PM
	8:24 AM	ROSEMONT @ HICKORY TRACE 8410 S WESTMOREL	4:51 PM
	8:28 AM	CLIFF CREEK CROSSING DR & KIRNWOOD DR	4:48 PM
	8:31 AM	SAINT GEORGE DR & CHESTERFIELD (bus 2)	4:46 PM
	8:40 AM	ARRIVE @ CARTER HS	4:40 PM

[Route 4007 Google Maps](#)

Route Overview:



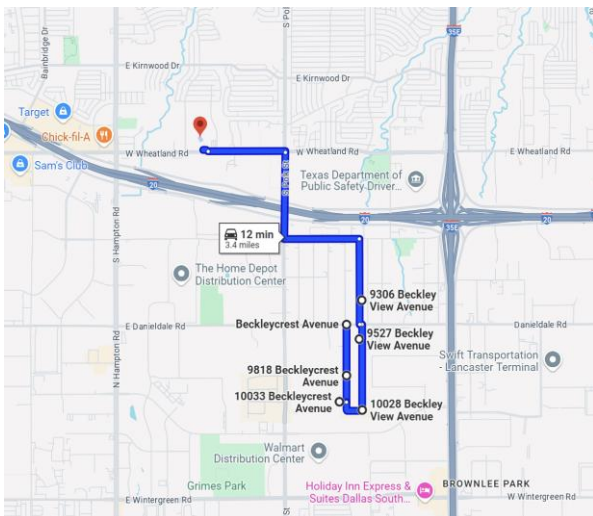
Drop off/pick up at Skyline High School:



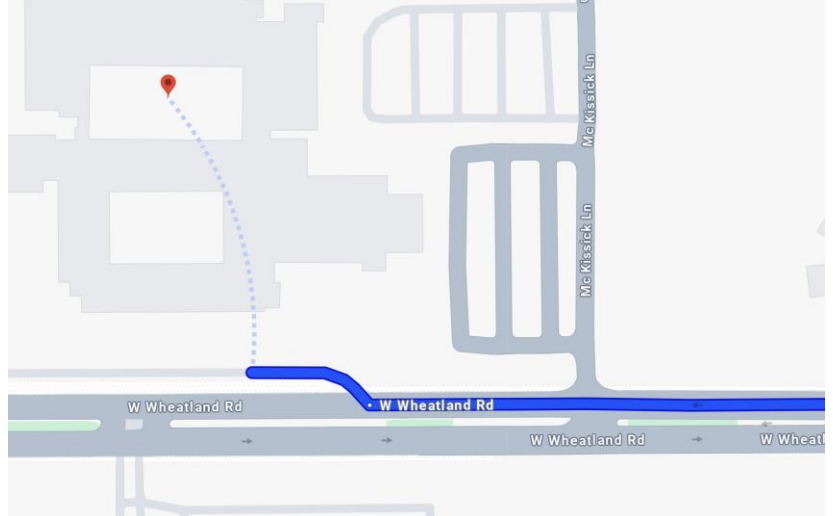
4028	8:15 AM	9818 BECKLEYCREST AVE 75232	4:51 PM
	8:18 AM	1011 BECKLEYCREST AVE 75232	4:53 PM
	8:20 AM	10033 BECKLEYCREST AVE 75232	4:55 PM
	8:22 AM	10028 BECKLEY VIEW AVE 75232	4:57 PM
	8:24 AM	9527 BECKLEY VIEW AVE 75232	4:59 PM
	8:26 AM	9306 BECKLEYVIEW AVE 75232	5:02 PM
	8:40 AM	ARRIVE @ CARTER	4:40 PM

[Route 4028 Google Maps](#)

Route Overview:



Drop off/pick up at Skyline High School:

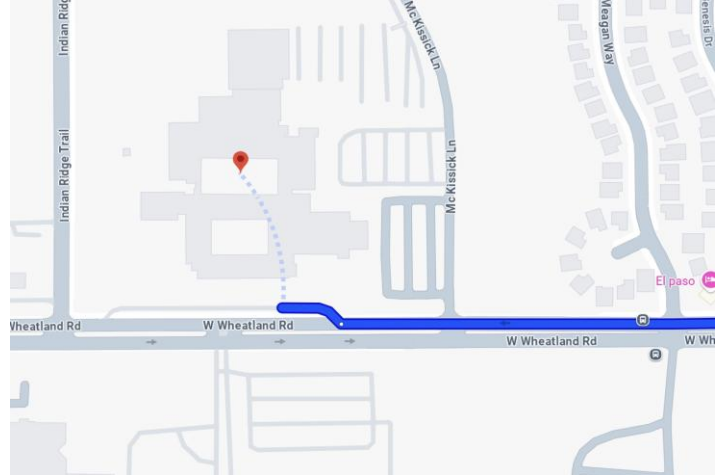
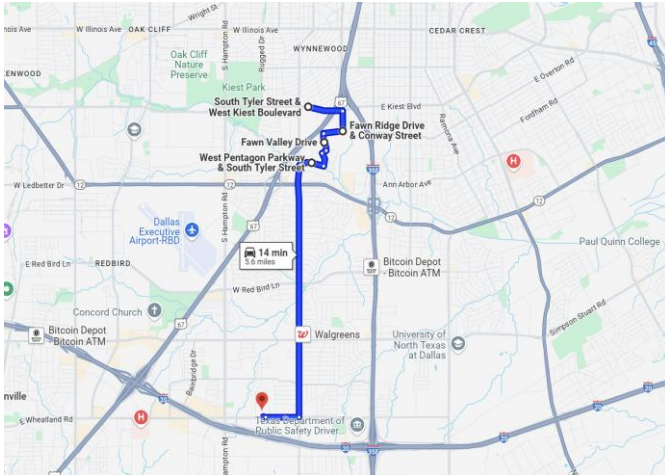


4029	8:13 AM	S TYLER ST & W Kiest Blvd 75224	5:02 PM
	8:17 AM	CONWAY ST 75224 & FAWN RIDGE DR 75224	4:52 PM
	8:18 AM	FAWN VALLEY DR 75224 & FAWN RIDGE DR 75224	4:51 PM
	8:20 AM	W PENTAGON PKWY 75224 & S TYLER ST 75224	4:49 PM
	8:30 AM	ARRIVE @ CARTER HS	4:40 PM

[Route 4029 Google Maps](#)

Route Overview:

Drop off/pick up at Skyline High School:

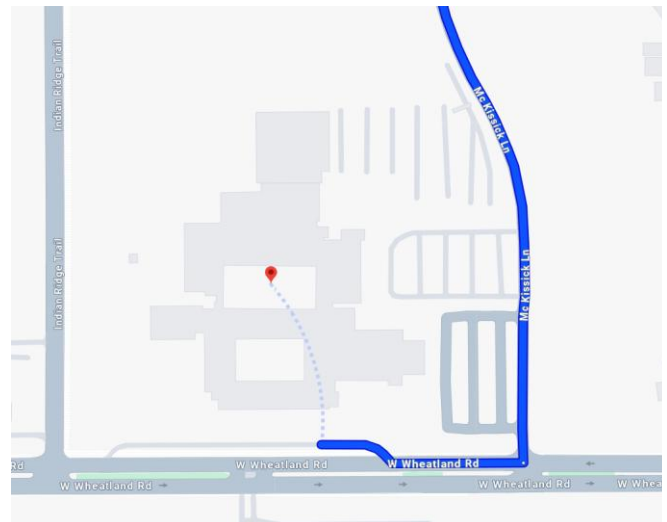
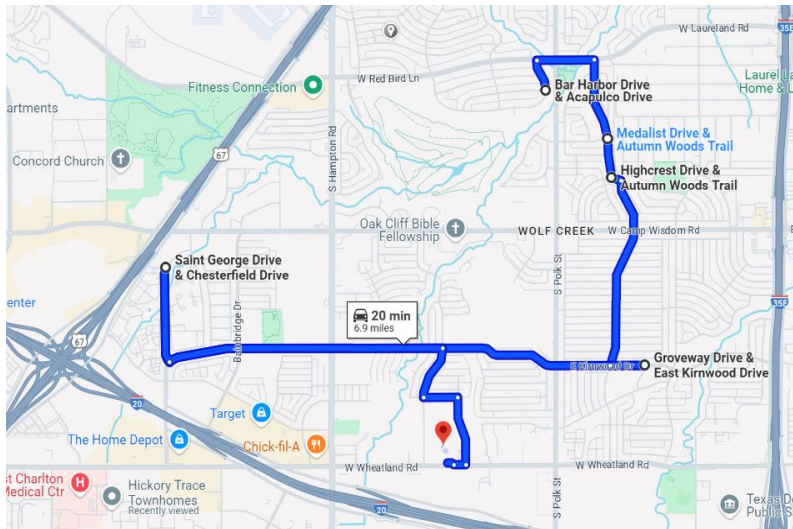


4032	8:14 AM	BAR HARBOR DR & ACAPULCO DR	4:56 PM
	8:17 AM	AUTUMN WOODS TRL & MEDALIST	4:52 PM
	8:19 AM	HIGHCREST DR & AUTUMN WOODS TRL	4:48 PM
	8:24 AM	E KIRNWOOD DR & GROVEWAY DR(BEHIND U. LEE)	4:43 PM
	8:36 AM	ST GEORGE DR & CHESTERFIELD DR (bus 1)	4:47 PM
	8:45 AM	ARRIVE @ CARTER	4:40 PM

[Route 4032 Google Maps](#)

Route Overview:

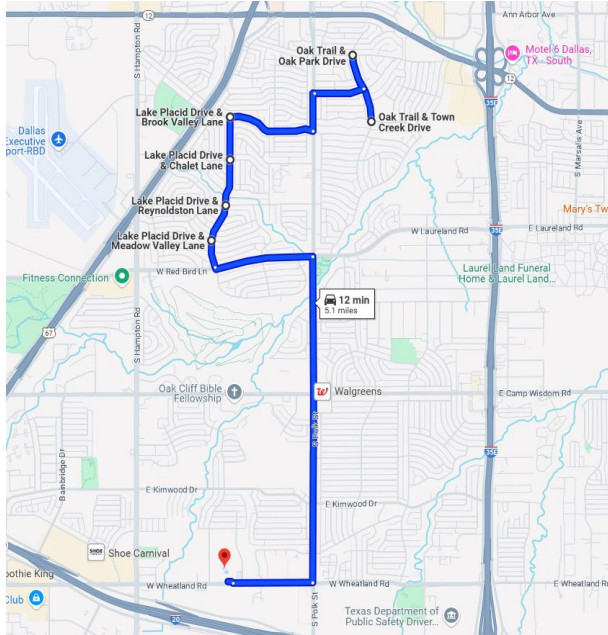
Drop off/pick up at Skyline High School:



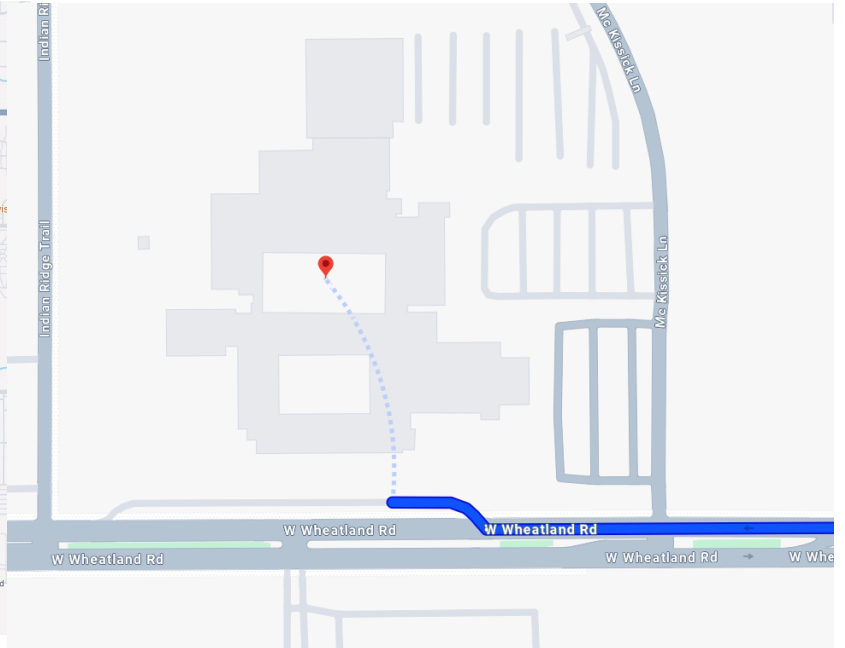
4041	8:15 AM	TOWN CREEK DR & OAK TRL	5:08 PM
	8:17 AM	OAK PARK DR & OAK TRL	5:04 PM
	8:24 AM	BROOK VALLEY LN 75232 & LAKE PLACID DR 75232	4:58 PM
	8:26 AM	LAKE PLACID DR 75232 & CHALET LN 75232	4:55 PM
	8:28 AM	LAKE PLACID DR 75232 & REYNOLDSTON LN 75232	4:52 PM
	8:30 AM	LAKE PLACID DR 75232 & MEADOW VALLEY 75232	4:49 PM
	8:40 AM	ARRIVE @ CARTER	4:40 PM

[Route 4041 Google Maps](#)

Route Overview:



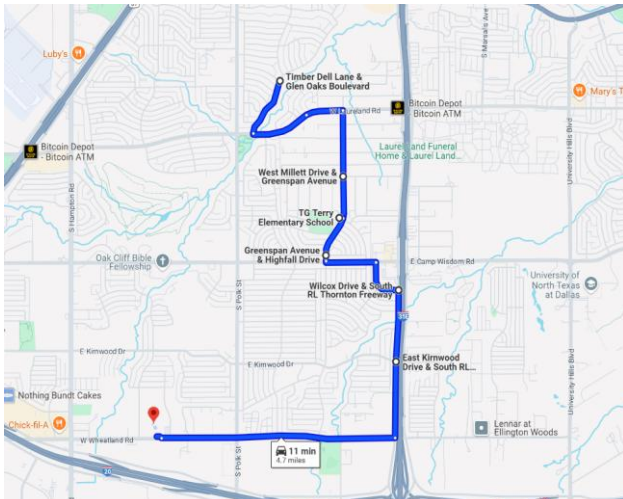
Drop off/pick up at Skyline High School:



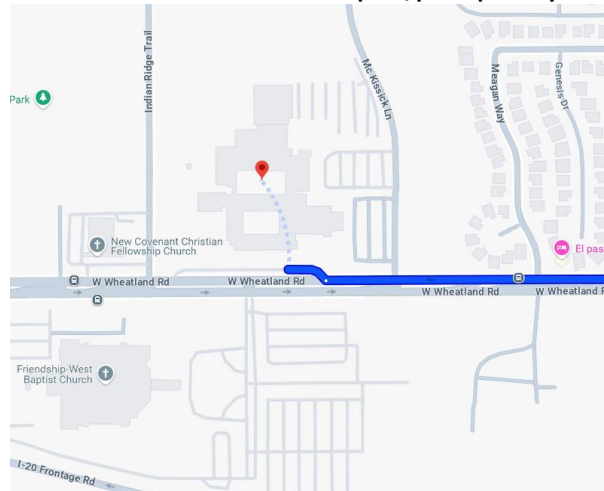
4043	8:16 AM	TIMBER DELL LN & GLEN OAKS BLVD	4:47 PM
	8:21 AM	W MILLETT DR 75232 & GREENSPAN AVE 75232	4:57 PM
	8:26 AM	TERRY ELEM, 6661 GREENSPAN AVE 75232	5:00 PM
	8:28 AM	HIGHFALL DR 75232 & GREENSPAN AVE 75232	5:04 PM
	8:31 AM	S R L THORNTON FWY 75232 & WILCOX DR	5:08 PM
	8:33 AM	KIRNWOOD DR & S R L THORNTON FWY	5:11 PM
	8:40 AM	ARRIVE @ CARTER	4:40 PM

[Route 4043 Google Map](#)

Route Overview:



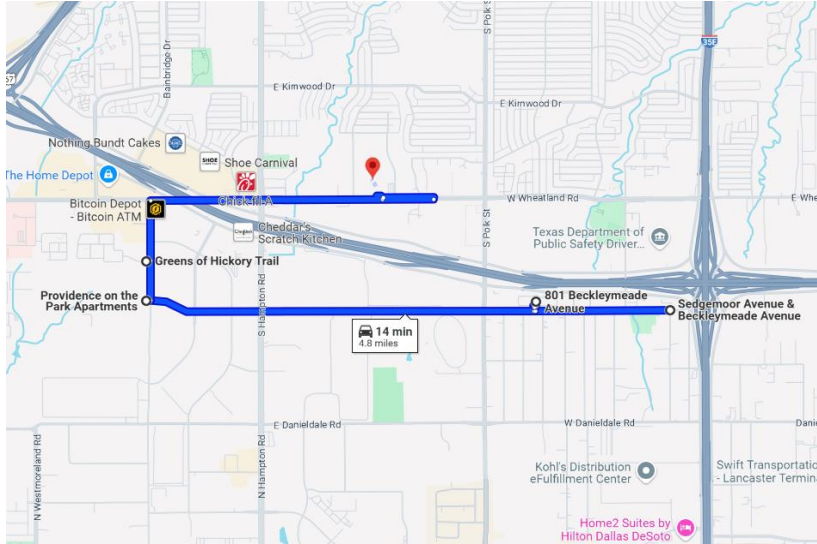
Drop off/pick up at Skyline High School:



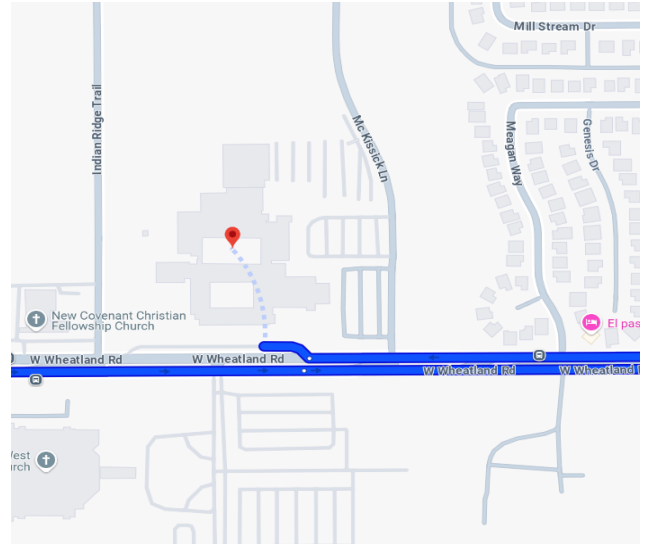
4047	8:05 AM	SEDGEMOOR AVE & BECKLEYMEAD AVE	5:04 PM
	8:10 AM	ROSEMONT APTS-801 BECKLEYMEADE AVE 75232	5:00 PM
	8:17 AM	GREENS @ HICKORY TRAIL APTS 8613 OLD HICKOR	4:51 PM
	8:20 AM	PROVIDENCE ON THE PARK APTS 8501 OLD HICKOR	4:53 PM
	8:30 AM	ARRIVE @ CARTER	4:40 PM

[Route 4047 Google Maps](#)

Route Overview:



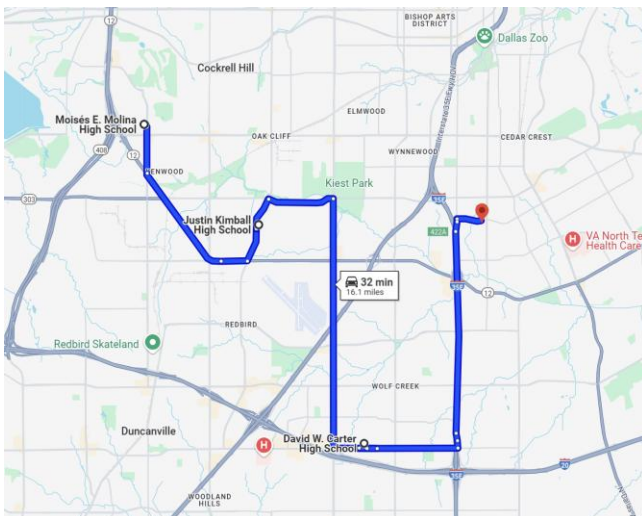
Drop off/pick up at Skyline High School:



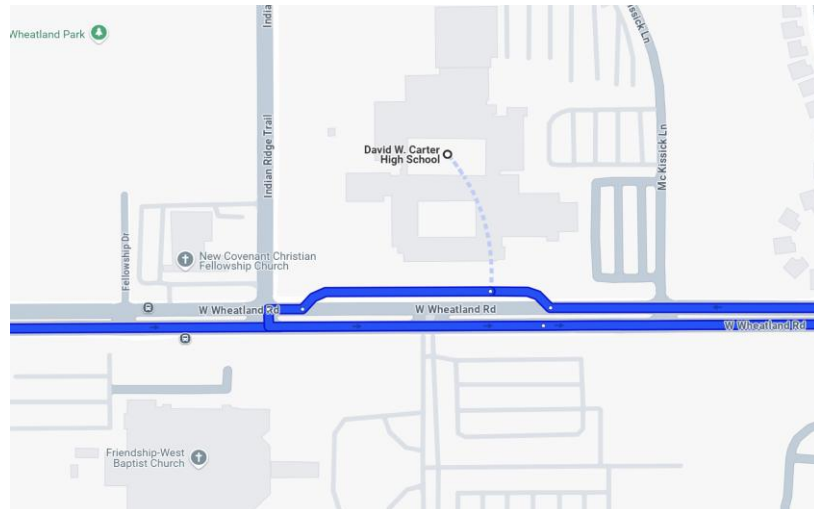
4207	8:20 AM	MOLINA	5:17 AM
	8:33 AM	KIMBALL	5:05 PM
	8:50 AM	ARRIVE@CARTER HS	4:52 PM
	9:00 AM	ARRIVE @ SOC HS	4:40 PM

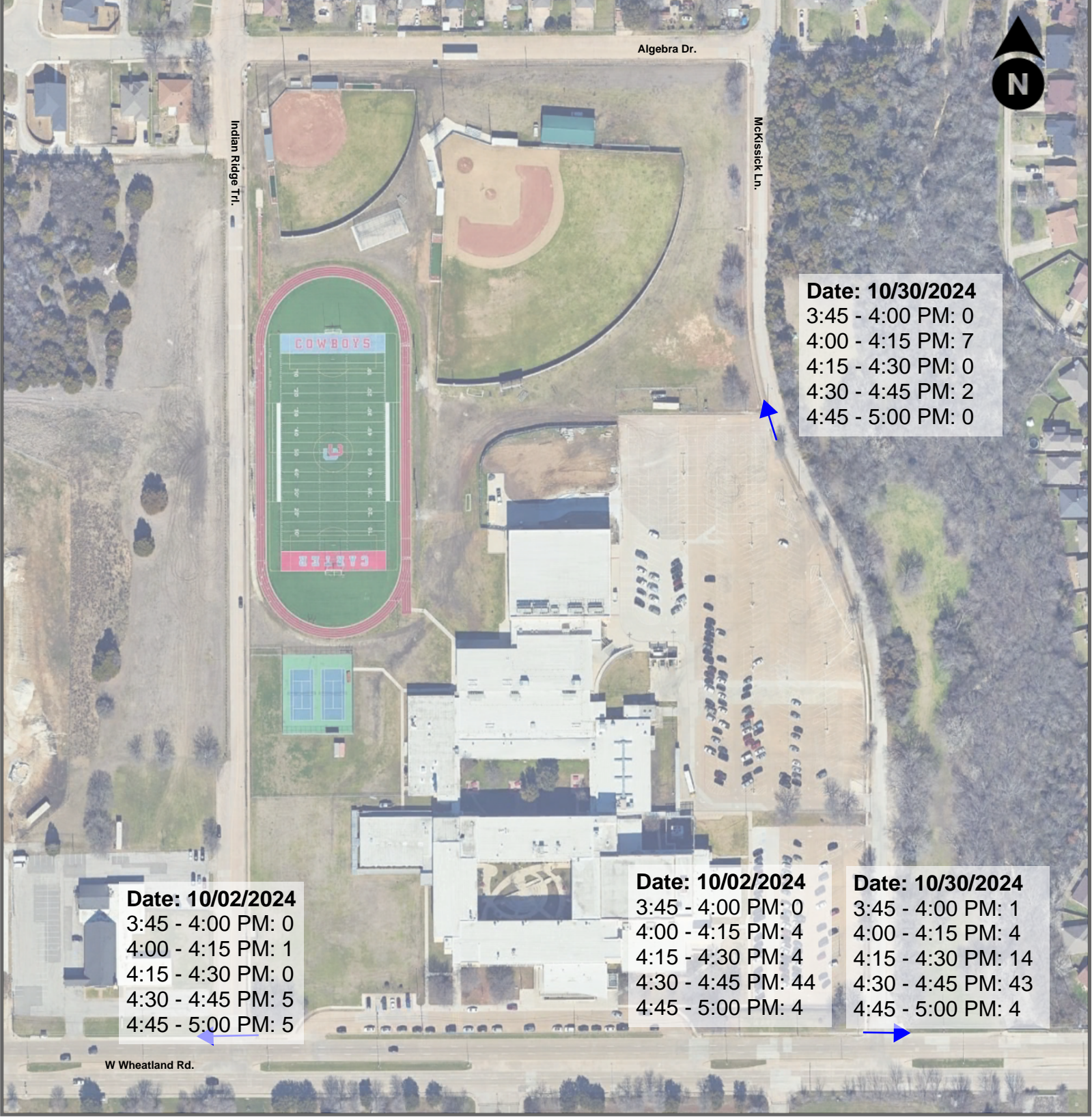
[Route 4207 Google Maps](#)

Route Overview:



Drop off/pick up at Skyline High School:





Date: 10/02/2024
3:45 - 4:00 PM: 0
4:00 - 4:15 PM: 1
4:15 - 4:30 PM: 0
4:30 - 4:45 PM: 5
4:45 - 5:00 PM: 5

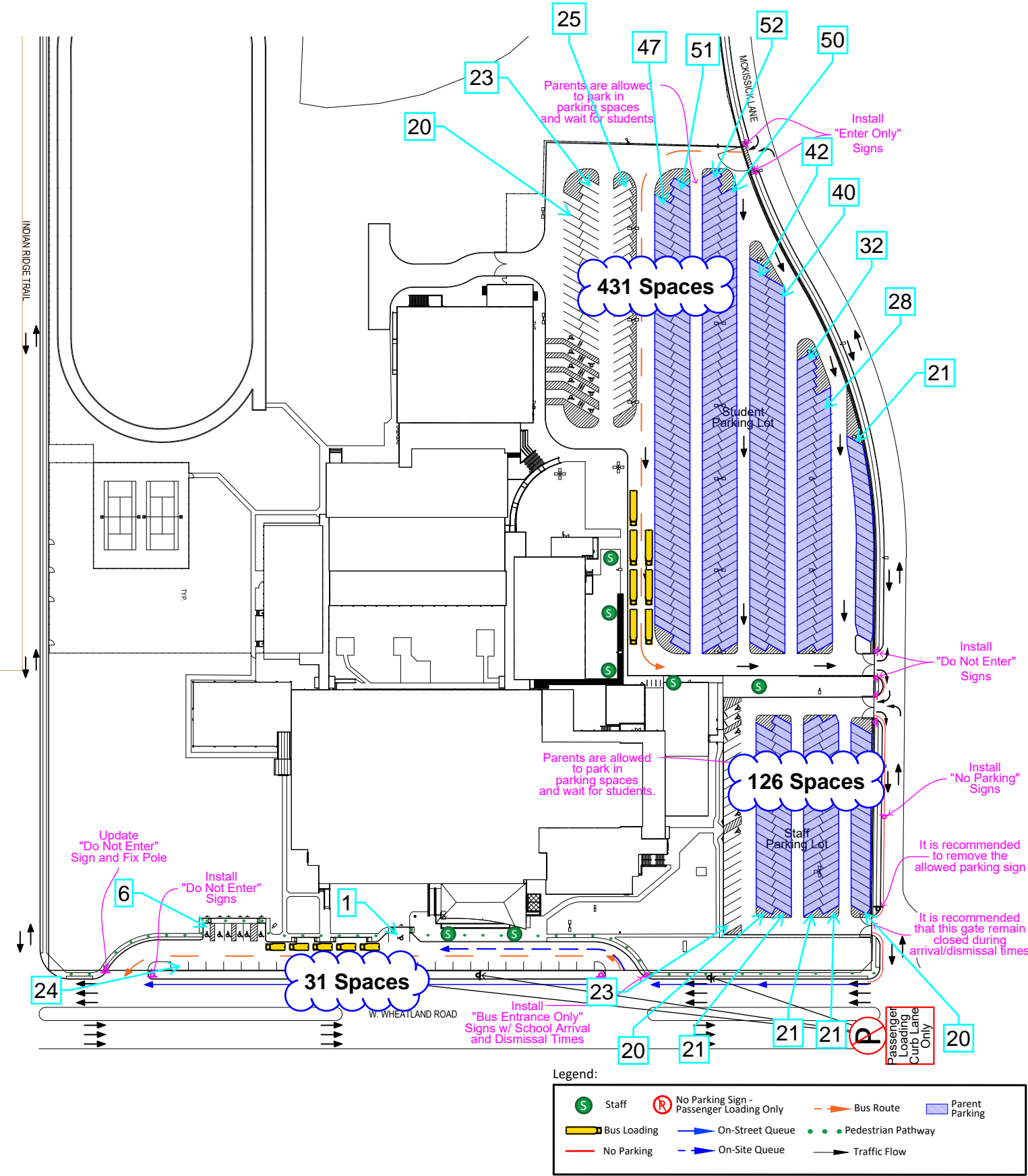
Date: 10/02/2024
3:45 - 4:00 PM: 0
4:00 - 4:15 PM: 4
4:15 - 4:30 PM: 4
4:30 - 4:45 PM: 44
4:45 - 5:00 PM: 4

Date: 10/30/2024
3:45 - 4:00 PM: 1
4:00 - 4:15 PM: 4
4:15 - 4:30 PM: 14
4:30 - 4:45 PM: 43
4:45 - 5:00 PM: 4

Pedestrian PM Counts
October 2, 2024 & October 30, 2024

David W. Carter High School

1819 W Wheatland Road, Dallas, Texas



Parking Supply: 588 Spaces

David W. Carter High School

1819 W Wheatland Road, Dallas, Texas

