

Executive Summary

This property is bounded on the west by South Carrier Parkway, a principal arterial, on the south by East Polo Road, a minor arterial, on the north by a Drainage Right of Way, and on the east by a Storm Water Management Area. Across East Polo Road from the subject site is a church and a city park.

The number of vehicles entering and exiting the site was calculated using the Institute of Transportation Engineers (ITE) Trip Generation Manual 9th Edition factor for a Private School (K-8) ITE Use #534 and the number of students served. Other factors and ITE uses were considered, but the method chosen provided the highest number of trips.

The school provided zip codes of students that had signed up to attend this school. Using these zip codes the trips were distributed to determine the probable routes that would be used to access the school.

A circulation plan was developed and will be adopted as part of the Statement of Operations. The student drop off process is quick, therefore the queuing is not needed during the AM drop off, however for the PM pickup time, some parents will arrive early, and time is needed for the students to identify and load into the appropriate vehicle. Therefore queuing is provided for the PM pickup time. The school will have a fence around the property, however the gates will remain open for at least one hour before and one hour after any time that students are on campus.

The traffic flows in a one way direction around the campus. During the AM drop off times the traffic monitor will be at the northwest corner to assist parents in understanding they need to turn left from Driveway #1 to continue in a clockwise direction on the one way fire lane traversing clockwise around the building. During the PM pick up times an adult monitor will be located at the same northwest corner near the end of the queuing area and will scan the bar code in the parent's vehicular window, which will display the student's name on the screens in the classroom, gym, and cafeteria where the students are awaiting dismissal. This adult monitor will assist the parents in the vehicles as they merge into the pickup zones. Additionally, each vehicle will have a sign with the student's name. That traffic monitor will call the student's name through a walkie talkie which will be broadcast over the PA system. The student will meet their parent at the appropriate location in the pickup area.

Queuing of up to 217 vehicles is provided on site in lanes located adjacent to South Carrier Parkway. The adult traffic monitor mentioned earlier will assist vehicles with merging, and notify students that their pickup vehicle has arrived. The flow of the vehicles will be in a clockwise direction so

students are always entering and exiting the vehicles from the passenger side. There will be approximately four (4) to five (5) trained adult traffic monitors as described above on campus during the peak traffic times to assist parents in entering and exiting the site after their student has been dropped off or picked up, and to assist in avoiding any confusion caused by one way traffic.

Several processes and improvements are proposed to mitigate any negative impact the school will have on the traffic on East Polo Road and South Carrier Parkway. These solutions are summarized below.

- Signs will be posted to prohibit “Stopping, Standing or Parking” along the north side of westbound East Polo Road.
- 200 feet of additional storage will be constructed in the left turn storage area of southbound South Carrier Parkway at the intersection of South Carrier Parkway and East Polo Road.
- 150 feet of transition and 200 feet of storage for a left turn deceleration and storage lane for the vehicles turning left from East Polo Road into Driveway 2 will be constructed.
- An off duty police officer will be hired each day from 3:00 PM to 4:00 PM to assist and monitor the left turn movements from East Polo Road into Driveway 2.
- 100 feet of transition and 150 feet of storage for a right turn deceleration and storage lane on South Carrier Parkway for vehicles turning right into Driveway 1 will be constructed.
- 4 to 5 trained adult traffic monitors will be stationed to assist parents in following the circulation plan.
- Queuing for at least 217 vehicles will be provided on site.
- The vehicular movements will be in a clockwise direction to allow students to always enter and exit on the passenger side of the vehicle.
- The school day will begin at 8:30 AM after the South Carrier Parkway and East Polo Road peaks have subsided.
- The school will dismiss at 3:30 PM before the South Carrier Parkway peak has begun.
- The Friendship Park will not be impacted because the peak times for the park usage are from 6:00 PM to 8:00 PM, well after all school traffic has been completed.

Based on this review and study, the adjacent streets can adequately serve the proposed charter school and shopping center.