

TRAFFIC STUDY

For

McCulloch Intermediate School and Highland Park Middle School

In Highland Park and University Park, Texas

Prepared

For

Highland Park Independent School District

February 27, 2017

By



INTERIM REVIEW ONLY

This document is not for permit or construction.

Name: Larry W. Cervenka, P.E.

License: 37109

Date: 2/27/2017

TBPE Firm Registration No. 257

Larry W. Cervenka, P.E.

TRAFFIC STUDY
For
McCulloch Intermediate School and Highland Park Middle School
In the Town of Highland Park and City of University Park, Texas

EXECUTIVE SUMMARY

The purpose of conducting this Traffic Impact Analysis (TIA) and report was to assess existing conditions, and to identify what mitigations or modifications may be warranted to serve motorists and pedestrians (school children) traveling through the area adjacent to the newly constructed parking garage (located on Key Street) and school modifications to the McCulloch Intermediate School and Highland Park Middle School.

RECOMMENDATIONS

Listed below are some proposed recommendations to improve traffic safety and traffic flow with the proposed parking garage on Key Street. We have reviewed the recommendations from the parent Safety Committee of McCulloch Intermediate School (MIS) and Highland Park Middle School (HPMS) and have noted some areas of agreement with recommendations from these reports with an underline.

General

- Remind children on bikes to not ride bikes along school sidewalks or at crosswalks.
- Remind children that texting and walking through a crosswalk is a dangerous distraction.
- Parents should move as far forward as possible.
- Prohibit left turns to/from High School Avenue on the west approach of Granada Avenue
 - These turns contribute to traffic congestion.
 - Could consider prohibiting all turns because this approach is very narrow and does not accommodate two-way traffic.
- Add flashing lights to the existing school speed zone signs to increase compliance with the school speed zones.
- Consider creating a one way pair of Brinkley Avenue (one way westbound) and Shenandoah Street (one way eastbound) to improve traffic flow and pedestrian safety.
- Extend the school speed zone from Granada Avenue to Asbury Avenue.
- Create a northbound right turn only lane on High School Avenue at Granada Avenue with pavement marking revision.
- Restrict left turns from the west approach of (eastbound) of Normandy Avenue
 - This traffic creates some conflicts with vehicles leaving the all way stop at the east approach (westbound) Normandy and High School Avenue.
 - This will be more critical if a crossing guard is added with full traffic direction capability because some traffic may not be stopping.

Crossing Guards

- Add a crossing guard at Key Street and Granada Avenue that can control/direct traffic to accommodate children crossing and because westbound traffic must turn left and traffic control would provide more positive traffic control than just stop signs.

- Crossing Guards should have full authority to direct and control traffic. Their first responsibility is for children safety, but there are times when pedestrians are not present at the all way stop at Granada Avenue and High School Avenue and traffic direction could clear up traffic congestion and reduce vehicular/pedestrian conflicts.
- Add a crossing guard at High School Avenue and Normandy Avenue.

Cafeteria Parking Lot

- Close parking aisles in parking lot to parents and force them to use the Key Street queue lane.