

Safety on FM 2432

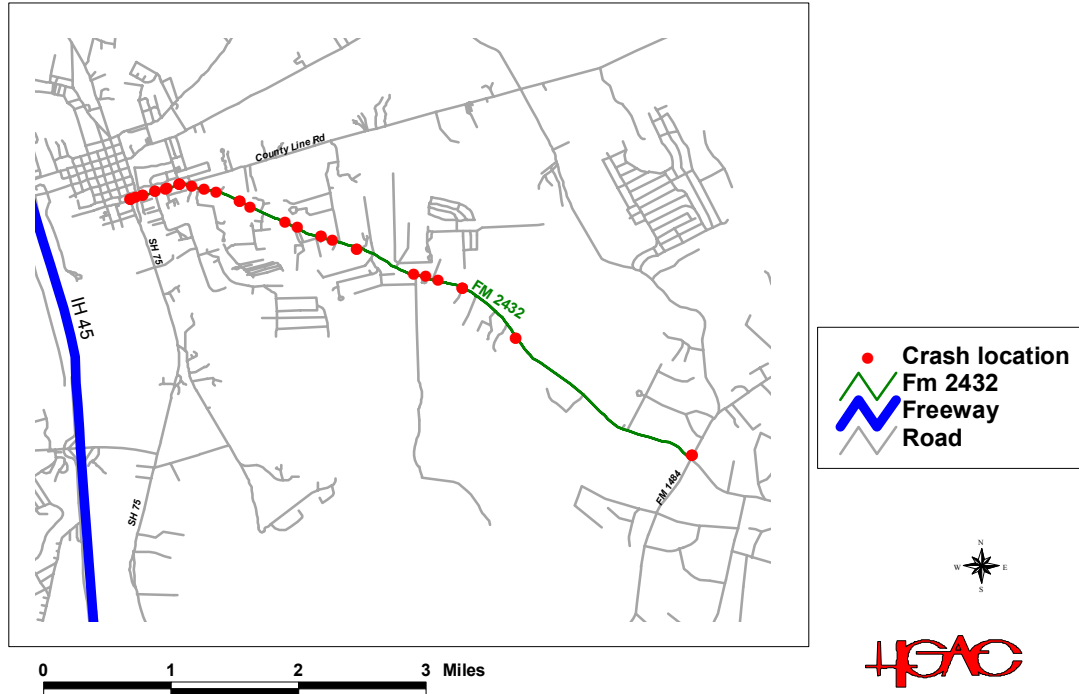
The following information applies to safety along FM 2432. There are some caveats about the data:

1. The data are obtained from the Accident Records Bureau of the Department of Public Safety. This is the state agency vested with documenting crashes for the State. Currently, their reporting requirements are that all fatal crashes, all injury crashes, and all property damage only (PDO) crashes in which one or more vehicles were towed be reported. Thus, they do not include the typical 'fender bender' in which no one is injured and all vehicles are driven away from the crash scene. In other words, the data we have represent the more serious crashes.
2. We've geocoded the crashes. However, because the data are kept in a very old information system by DPS in which road names are represented either by five-digit codes, the first five letters of the road name, or control-section numbers (for rural state roads), there is inevitably some geocoding error. We were able to geocode about 82% of all crashes in the DPS data set with about 90% accuracy on average.
3. To date, we have geocoded crashes for 1998-2000. Thus, any conclusions about location are only applicable for those years.
4. Spatial accuracy is within 50-100 yards. One would need actual crash diagrams to have more accuracy.
5. Please cite the Accident Records Bureau of the Texas Department of Public Safety as the source for the crash data and cite the Houston-Galveston Area Council as the source for the crash analysis.

The results of the analysis on FM 2432 were as follows:

1. From 1998 through 2000, there were 40 crashes on FM 2432 between SH 75 and FM 1484, an average of 13.3 a year. These included 5 incapacitating injury crashes (Type A) and 5 non-incapacitating injury crashes (Type B). Figure 1 shows a map of these crashes.
2. Of the 40 crashes, 24 were with other motor vehicles, 5 were with animals, 1 was with a pedestrian, 1 was with a bicyclist, 1 was with a parked car, 1 was with a fixed object, and 1 was indeterminate.

Safety on FM 2432: 1998-2000 Location of Serious Crashes



3. Two locations on FM 2432 had 4 crashes in the three year period and two locations had 3 crashes. Figure 2 shows these locations. These were:
 - A. At the intersection of FM 2432 (Powell St) and SH 75 (Danville St) (4 crashes)
 - B. At the intersection of FM 2432 and Powell St/County Line Road (4 crashes)
 - C. At a location along FM 2432 that is 0.4 miles southeast of Farrell Road (3 crashes)
 - D. At the intersection of FM 2432 and FM 1484 (3 crashes).

4. Based on the estimate of VMT from our modeling group, *crash risk* was calculated. This is the number of crashes per 100 million vehicle miles traveled (VMT). From 1998 through 2000, crash risk on FM 2432 was 130.3 crashes per 100 million VMT. This is lower than the regional average of 195.8 crashes per 100 million VMT for the same period. Compared to the region as a whole, crash risk on FM 2432 is low.

