

## **Safety on Spring Steubner Rd.**

The following information applies to safety along Spring Steubner Rd. from IH 45 N to Kuykendahl Rd. in Harris County. First, there are some caveats about the data:

1. The data H-GAC has analyzed is distributed by 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.
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 only geocoded crashes for 1999. Thus, any conclusions about location are only tentative.
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 Spring Steubner Rd. were as follows:

1. In 1999, there were 15 crashes on Spring Steubner Rd. between IH 45 N. to Kuykendahl Rd. in Harris County. These included 1 incapacitating injury crash (Type A), 2 non-incapacitating injury crashes (Type B), 4 possible injury crashes (Type C), and 7 non-injury crashes (Type N). Figure 1 shows the location of crashes along SPRING STUEBNER RD.
2. Of the 15 crashes, 13 were with other vehicles, and 2 were with fixed objects.

3. Two locations on Spring Steubner Rd. had 4 or more crashes in 1999. (Figure 2) These were:
  - A. At the intersection of Spring Steubner Rd. and Kuykendahl Rd. (4 crashes)
  - B. At the intersection of Spring Steubner Rd. and SH 99 (4 crashes)
4. Based on the estimate of VMT from our modeling group, *serious crash risk* was calculated. This is the number of serious crashes per 100 million vehicle miles traveled (VMT). In 1999, serious crash risk on Spring Steubner Rd. was 69 crashes per 100 million VMT. This is much lower than the regional average of 199 serious crashes per 100 million VMT. Compared to the region as a whole, crash risk is much lower.

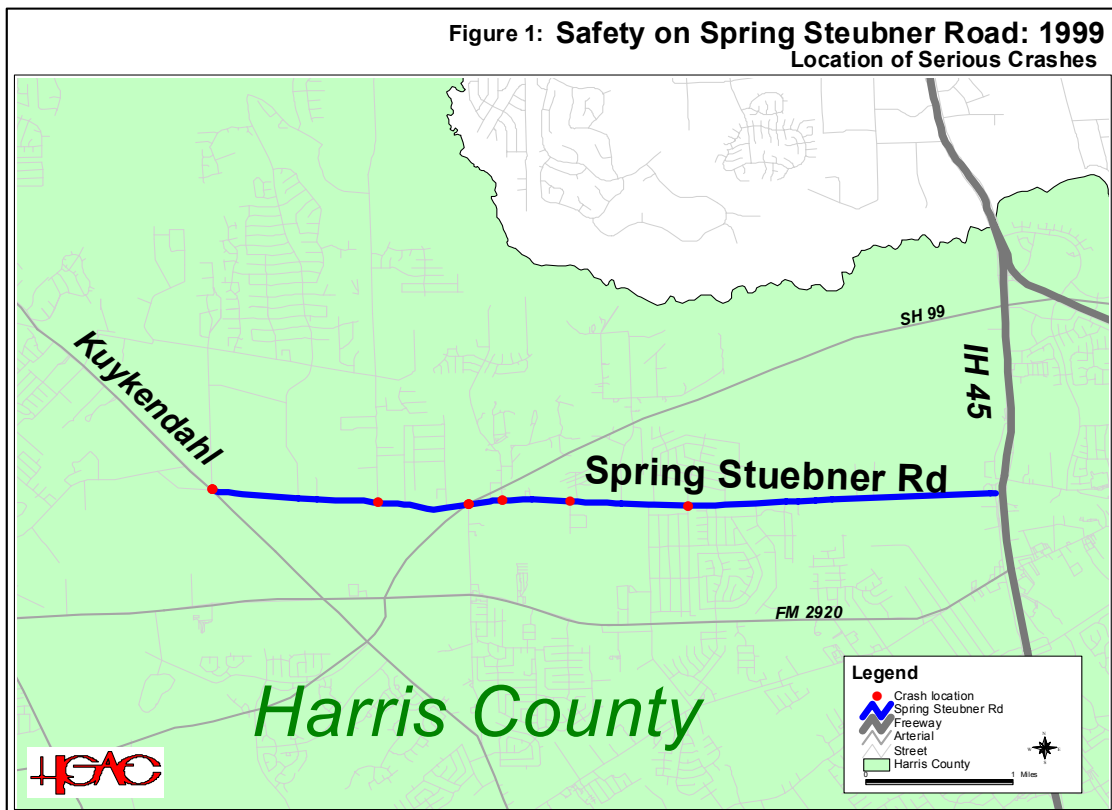


Figure 2: Safety on Spring Steubner Road: 1999  
Two Crash Hot Spots

