



Project End
Loop 1604

Effects of Intersections on Roadways:

- As access increases, **crash rates increase**.
Increasing access points per mile increases crash rates by roughly 30%.
- Increased access density results in a **reduction in free flow speed**.
Every 10 access points per mile results in a 2.5 mph speed reduction.
- The ideal spacing for traffic signals is no more than **2 signals per mile**.
- Increased travel times have **economic impacts to businesses**.
Research shows a 10% reduction in average travel speeds can cause a business to lose 20% of its market area.

Source: TxDOT Access Management Manual (July 2011)

From Guilbeau Road to Loop 1604:

- Approximately **2** signalized intersections per mile
- Approximately **2.5** non-signalized intersections per mile
- Approximately **14** driveways per mile (northbound SH 16)
- Approximately **13** driveways per mile (southbound SH 16)

From I-410 to Guilbeau Road:

- Approximately **3.5** signalized intersections per mile
- Approximately **4** non-signalized intersections per mile
- Approximately **25** driveways per mile (northbound SH 16)
- Approximately **28** driveways per mile (southbound SH 16)

Legend:

- Moderate density of access
- High density of access
- Signalized intersection

Project Begin
I-410

151