



## Memorandum

**To:** Honorable Mayor Maso and Members of the Frisco City Council

**cc:** George Purefoy, City Manager  
Ron K. Patterson, Assistant City Manager

**From:** Brian A. Moen, P.E., Assistant Director of Engineering Services  
Shelley Lang, P.E., Traffic Engineer

**Date:** June 16, 2009

**Subject:** Consider and act upon an Ordinance to reduce the existing posted speed limit on FM 423 from 55 mph to 50 mph from 0.2 miles north of Eldorado Parkway (MP 2.776) to Panther Creek Parkway contingent upon the acceptance by the Texas Transportation Commission.

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**Action Requested:** Consider and act upon an Ordinance to reduce the existing posted speed limit on FM 423 from 55 mph to 50 mph from 0.2 miles north of Eldorado Parkway (MP 2.776) to Panther Creek Parkway contingent upon the acceptance by the Texas Transportation Commission.

**Background Information:** FM 423 is a two lane undivided roadway with 22 feet of pavement, painted edge lines and no shoulders. It is operated and maintained by the Texas Department of Transportation (TxDOT). Speed limits on state roads are established following the criteria published by the Texas Department of Transportation in the "Procedures for Establishing Speed Zones". Engineering studies were completed by TxDOT to initially establish the existing 55 mph speed limit on this roadway.

Recent traffic counts conducted in March 2008 indicated that traffic volumes on FM 423 were 20,057 between FM 720 (Little Elm) and Eldorado Parkway, and 19,202 between Eldorado Parkway and Panther Creek Parkway. These traffic volumes include both northbound and southbound traffic. The most recent engineering study completed by TxDOT on FM 423 from FM 720 to US 380 indicates the speed limit should be reduced from 55 mph to 50 mph in the City of Frisco section from 0.2 miles north of Eldorado Parkway (MP 2.776) to Panther Creek Parkway. The remaining

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sections of FM 423 within the City of Frisco will continue to have a posted speed limit of 55 mph.

The attached letter from TxDOT dated January 12, 2009 states that TxDOT recommends reducing the existing posted speed limit on FM 423 from 55 mph to 50 mph starting at 0.2 miles north of Eldorado Parkway (MP 2.776) and ending at Panther Creek Parkway. Therefore, engineering staff has prepared an ordinance for the speed limit reduction. Staff is requesting that City Council provide their approval of this ordinance pending approval from the Texas Transportation Commission for the reduction of the speed limit on this section of FM 423 within the City of Frisco.

**Alternatives:** The City Council could consider the following alternatives:

- Approval of ordinance to reduce the speed limit on FM 423 from 55 mph to 50 mph from 0.2 miles north of Eldorado Parkway (MP 2.776) to Panther Creek Parkway
- Send back to staff with direction

**Financial Considerations:** None. The new speed limit traffic signs will be installed by the Texas Department of Transportation Denton County Area Office.

**Legal Review:** City legal staff has reviewed the ordinance.

**Supporting Documents:**

- Ordinance
- Location Map
- TxDOT letter dated January 12, 2009
- TxDOT's speed zone maps showing results of speed study conducted

**Staff Recommendation:** Staff recommends the approval of the attached Ordinance.