

TO: Maleshia B. McGinnis, City Attorney
FROM: Caroline Waggoner, P.E., City Engineer
SUBJECT: Davis Boulevard Construction Speed Limit
DATE: March 13, 2018

The Davis / Mid-Cities Intersection Improvement Project is an arterial intersection expansion project in the City of North Richland Hills. The existing Davis Boulevard and Mid-Cities Boulevard sections through the intersection include 7-lanes on each leg. The project will widen each leg of the intersection to 9 lanes with the addition of a dedicated right-turn lane as well as an additional left-turn lane. The project will be constructed in multiple phases, during which time only four travel lanes are provided; two northbound and two southbound. Please accept the following justification for enforcement of a 45mph reduced speed during the construction phase.

Design Speed: The pre-project roadway has a 50 mph speed limit and a largely straight alignment. The traffic control plan (TCP) provided for construction was designed to accommodate **45mph** speeds. The TCP includes narrow lanes, lane shifts and closures, requiring motorists to make lateral adjustments.

Worker Safety: During the course of the project there will be work crews present in immediate proximity to the functioning roadway. Enforcing the 45mph design speed during construction will greatly reduce the likelihood of a motorist failing to maintain their lane and potentially injure a nearby worker.

Because the work zone is dynamic during the course of the project, requiring lane closures, excavation and paving activities at any point along the project limits, the recommended 45mph speed should apply to the full project limits until such time as the project is complete (anticipated December 2018).