

MEMORANDUM

TO: City of Lewisville Transportation Board

FROM: Sirwan Shahooei, P.E., City Traffic Engineer

VIA David Salmon, P.E., City Engineer

DATE: July 1, 2024

SUBJECT: **Consideration of amending the Lewisville City Code, Section 15-87(C), Limitations on Turning Around, Prohibiting U-Turns at the Intersection of Garden Ridge Boulevard and Main Street and intersection of Garden Ridge Boulevard and Evergreen at Lewisville Apartments Senior Living Driveway.**

BACKGROUND

In order to improve the safety of the residents and drivers in the City of Lewisville, the City staff is considering prohibiting U-Turn in two locations along Garden Ridge Boulevard. These locations include the intersection of Garden Ridge Boulevard and Main Street and the intersection of Garden Ridge Boulevard and Evergreen at Lewisville Apartments Senior Living driveway.

ANALYSIS

In the southeast corner of the intersection of Garden Ridge Boulevard and Main Street, you'll find a senior living residence, an apartment complex, and a townhouse community. Residents of these communities typically cross Garden Ridge Boulevard by vehicle or by foot either at the intersection of Main Street or at the Evergreen Apartments driveway to reach the Tom Thumb Grocery store located on the southwest corner of Garden Ridge Boulevard and Main Street.

The constant flow of vehicles turning around at the intersection of Garden Ridge Boulevard and Main Street and the intersection of Garden Ridge Boulevard and Evergreen Apartments Driveway poses a safety threat to the drivers and pedestrians navigating across Garden Ridge Boulevard. To address this concern and improve the safety of residents and pedestrians at these intersections, the City Staff is proposing the prohibition of northbound U-turns at the intersection of Garden Ridge Boulevard and Main Street, as well as southbound U-turns at the intersection of Garden Ridge Boulevard and Evergreen Apartments Driveway. The Town of Flower Mound has given Lewisville permission to install signage on eastbound FM 1171 (Main Street) as it approaches Garden Ridge to prohibit right turns on red onto Garden Ridge to promote safer pedestrian crossings. Prohibiting northbound U-turns will enhance pedestrian safety at this intersection as well. In addition, there have been several collisions on Garden Ridge Blvd at the Evergreen Senior Living driveway over the past 5 years. Prohibiting southbound U-turns will enhance safety at this intersection.

The northbound U-turn at the intersection of Garden Ridge Boulevard and Evergreen Driveway is on the opposite side of the intersection from where pedestrians typically cross. Additionally, prohibiting northbound U-turns at two adjacent, consecutive openings (Evergreen and Main Street) is typically avoided in order to promote efficient traffic operation. That is why Staff is not recommending prohibiting northbound U-turns at the intersection of Garden Ridge Boulevard and Evergreen Driveway. The proposed locations of the No U-Turn Signs are represented in Figure 1.



Figure 1: Proposed “No U-Turn” signs locations on Garden Ridge Blvd.

RECOMMENDATION

Staff Recommends that the Transportation Board recommends approval of the U-turn prohibitions as set forth in the caption above.