

FACT SHEET:



Barrett Parkway at Burnt Hickory Road Intersection Improvements (Project # B2441)

The purpose of the proposed intersection improvement is to relieve congestion and improve safety at the intersection of Barrett Parkway at Burnt Hickory Road.

The project proposes eliminating the direct left turns from Barrett Parkway to Burnt Hickory Road and reconfiguring the turns at signalized median openings north and south of the intersection.

Drivers desiring to turn left onto Burnt Hickory Road must travel through the intersection and then execute a U-turn at the signalized median opening downstream of the intersection. These drivers can then turn right at Burnt Hickory Road.



BENEFITS OF A MEDIAN U-TURN:



Reduces delays on Barrett Pkwy

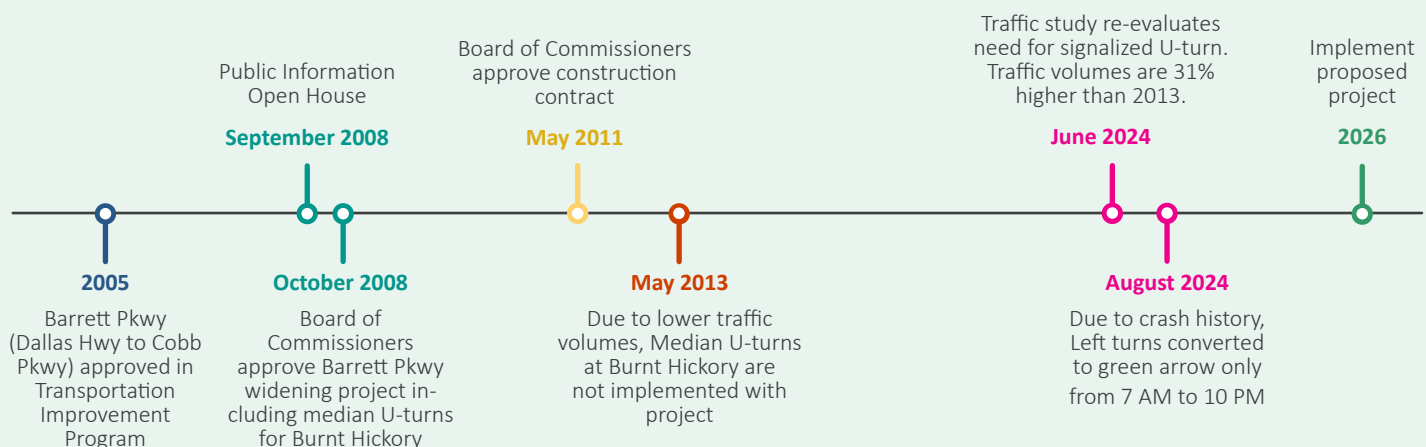


Increases capacity at the intersection



Reduces the frequency and severity of crashes

PROJECT HISTORY:



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The 2024 traffic study analyzed current and future safety conditions and traffic volumes at the Barrett Parkway at Burnt Hickory Road intersection. The results led to the implementation of the proposed improvements.

SAFETY

The intersection experienced 223 crashes from October 1, 2018, to September 30, 2023. The most frequent crashes at the intersection were rear-end crashes which were 118 of 223 (53%) and 56 of 118 (47%) of those rear-end crashes occurred in the southbound direction.

In August of 2024, protected only left turns for northbound and southbound approaches were implemented subsequent to an increase in crashes with left turn maneuvers.

TYPE OF CRASHES OVER 5 YEARS	
Crash Severity	# of Crashes
Severe Injury	4
Visible Injury	14
Complaint of Injury	50
Property Damage Only	155
TOTAL	223

CONGESTION & DELAYS

The delays at the intersection are expected to significantly increase if no improvement (No Build) is made. The installation of the median U-turn will decrease the amount of delays (as shown in the table below).

The median U-turn will have 850 feet of turn lane storage for the southbound approach and 500 feet for the northbound approach. These distances would offer sufficient storage for the U-turn movements.

HOW LONG WILL YOU WAIT? (SECONDS ON AVERAGE)					
Year	Period	NO BUILD	BUILD		
		Intersection	Intersection	Southbound U-turn	Northbound U-turn
2026	AM	70	42	14	3
	PM	60	35	9	7
2046	AM	97	52	24	3
	PM	91	55	10	9

FOR MORE INFORMATION

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COMMENT FORM

Provide your comments on the the proposed operational and safety improvements at the intersection of Barrett Parkway and Burnt Hickory Road.

Please print responses.

Full Name (First, Last)

Email

Mailing Address

City

Zip code

Do you support the project? (check your response)

- ☐ For ☐ Against ☐ Conditional (I would support this project if... describe in comments)
☐ Uncommitted (if uncommitted, please tell us why)

Comments: _____

Comments and questions regarding this project can be submitted by mail or email until **October 22, 2024** to:

Jane Stricklin
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