

NORTHAVEN TRAIL BRIDGE – AT US 75 AND NORTHAVEN ROAD

PROJECT FACT SHEET

TEXAS DEPARTMENT OF TRANSPORTATION

OVERVIEW

The project will provide a safe connection between two bicycle/pedestrian trails in Dallas in order to extend recreational opportunities and reduce barriers to alternative methods of transportation. The project will join the Northaven Trail west of US 75 to existing trails and the regional trail system east of US 75. The project also will stand as a regional example of the positive benefits of appropriate location and design aesthetics for future bicycle and pedestrian trails and amenities.

The project includes an arched bridge over US 75 to connect the Northaven Trail to existing trails east of US 75.

PROJECT DETAILS

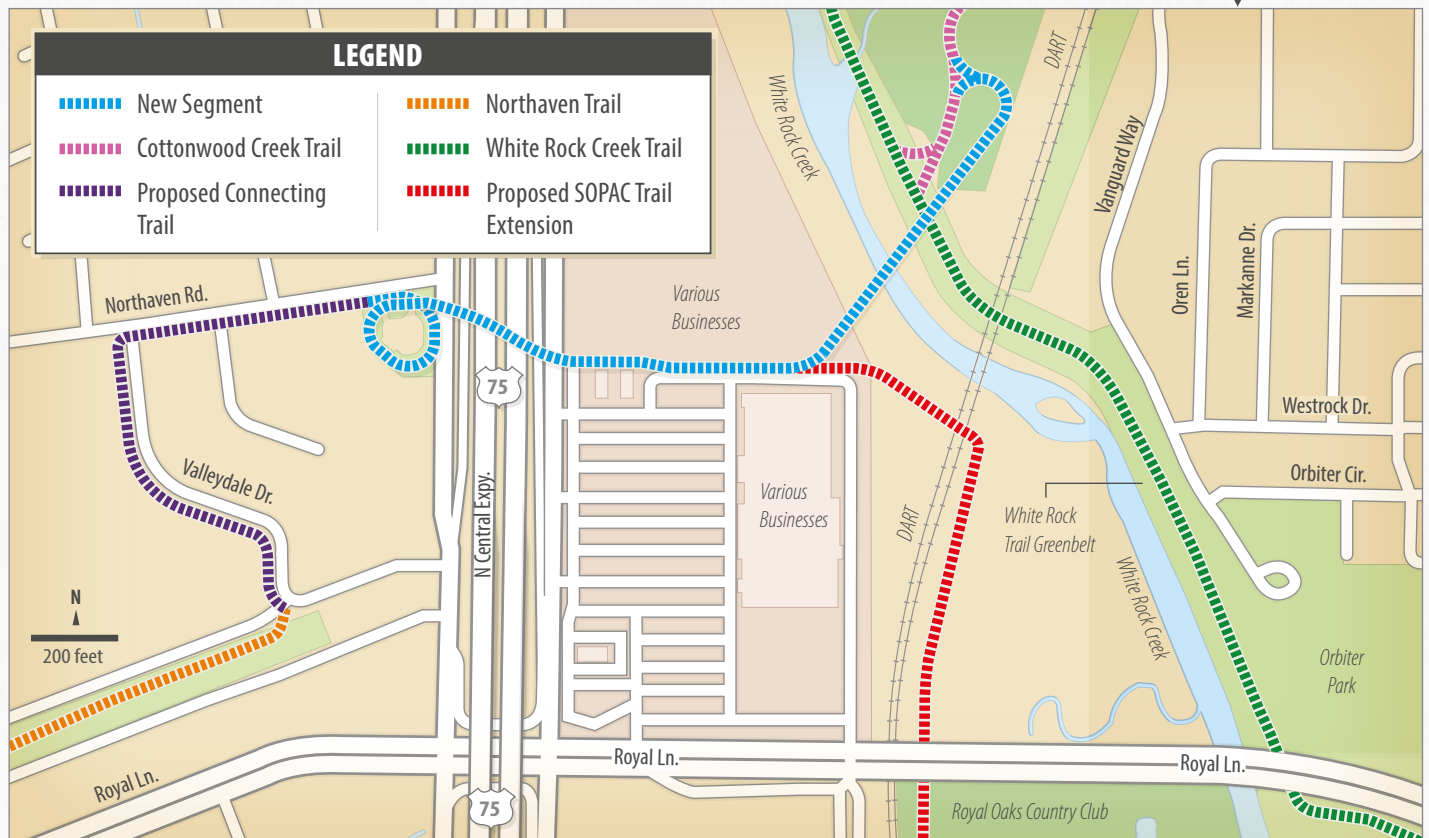
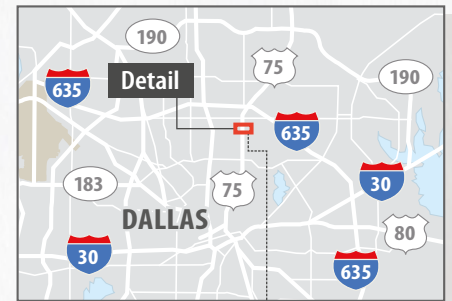
- **Limits:** From Northaven Road to White Rock Creek Trail / Cottonwood Trail.
- **Description:** Construct a bicycle/ pedestrian bridge and approaches
- **Length of Project:** Approximately 0.48 miles
- **Project Let:** February 2021
- **Project Start:** June 2021
- **Est. Completion:** Summer 2023

PROJECTED FUNDING

Estimated Project Cost*	\$9.3 M
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*Subject to change.

TxDOT graphic



SOURCE: Texas Department of Transportation.

TxDOT graphic

FOR PROJECT RENDERINGS AND BRIDGE FAST FACTS: [SEE BACK PAGE](#) »

NORTHAVEN TRAIL – Conceptual Renderings and Bridge Fast Facts



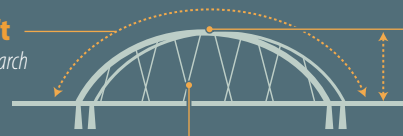
Preliminary renderings of the Northaven Trail Bridge over US 75.

TxDOT graphics

NORTHAVEN TRAIL FAST FACTS

201 ft

Overall arch length



50 ft

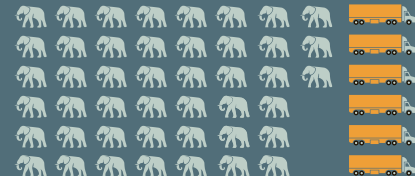
Height of the tallest point of arch on the bridge

64 cables (32 per side - illustration is not accurate)



The weight of the bridge structure is **800,000 lbs.**

This is equal to the weight of **10** fully loaded semi-trucks or **80** elephants.



The bridge can carry a weight of **445,000 lbs.**, which is equal to the weight of **45** elephants or **six** fully loaded semi-trucks.



The structure is called a **“network tied arch.”** The bridge deck ties the ends of the arch ribs together, just like the string in a bow used for archery, and the crisscrossing hanger cables form a network pattern.



This structure has a **doubly-curved deck**, making it the only network-tied arch bridge in the world with a doubly-curved tie.

Arch pieces and cables manufactured by companies in the **Houston area.**

PROJECT CONTACTS



TxDOT Dallas District
4777 East Highway 80
Mesquite, Texas 75150-6643



Tony Hartzel – PIO Supervisor
(214) 320-4481 (Office) • (214) 317-0251 (Mobile)
Tony.Hartzel@txdot.gov