

CASE STUDY

DFW International Airport

DFW Airport, TX

OWNER

Cities of Dallas and Fort Worth, TX

ENGINEER

Jacobs Engineering, Dallas, TX

CONTRACTOR

Austin Bridge and Road, Coppell, TX

INSTALLATION DATE

2018-May 2022

PRODUCTS

5,180' (1,579 m) ADS N-12® 8" (200 mm) pipe

DESCRIPTION

Dallas Fort Worth International Airport (DFW) became the only U.S. airport with an end-around taxiway at both ends of a runway. This task was accomplished with the completion of its Northeast End-Around Taxiway Project. The end-around taxiway is designed to enhance airfield safety and efficiency and reduces aircraft taxi times.

Phasing for the drainage portion of the project was challenging as a primary requirement was to ensure the project would result in net-zero in flow-rate and velocity at each of the impacted outfalls.

Austin Bridge and Road experienced difficulties procuring underdrain materials, so it received approval from the engineer to use alternate materials. Jacobs Engineering chose ADS HDPE pipe. More than 12,000 feet of pipe was installed along the proposed taxiway. The pipe was shipped from ADS Texas manufacturing plants allowing the project to stay on time and within budget.



Article published by Airport Improvement. <https://airportimprovement.com/article/another-end-around-taxiway-yields-many-benefits-dallas-fort-worth-int-l>