

Stephen F. Austin High School

School Building | 2016

**CLIENT**

ERO Architects, LLP

LOCATION

1700 Dumble Street,
Houston, TX 77023, United
States

INDUSTRY

Real Estate and Insurance
/ Construction and
Engineering

SERVICE

Structural Dynamic
Analysis

IMPACT

Provided redevelopment designers with a reference for the retained east wing and auditorium before planned work.

CHALLENGE

Planned redevelopment required an assessment of the older school wing and auditorium, including localized response concerns and interaction with the western complex.

STRAAM APPROACH

On Mar 9, 2016, STRAAM collected about five hours of data with four triaxial accelerometers and an SKG at 200 samples per second.

RESULT

The work documented how the retained portions responded and identified issues for designers to consider. It recommended monitoring during the next phase.