

Lusail Pedestrian Bridges

Pedestrian Bridge | 2016

**CLIENT**

T.Y. Lin International

LOCATION

Lusail, Qatar

INDUSTRY

Transportation /
Construction and
Engineering

SERVICE

Structural Dynamic
Analysis

IMPACT

Assessed cable response under wind-related conditions and compared it with design expectations for the pedestrian bridges.

CHALLENGE

The two pedestrian bridges required cable-response assessment under wind-related vibration conditions.

STRAAM APPROACH

STRAAM measured back-stay and main-stay cable response on bridges 4A and 6A and analyzed frequency and damping in Phase 1.

RESULT

The cable analysis found responses close to design expectations under the conditions assessed.