

South Pier, Blackpool

Birse Civils Ltd

Project Description Sheet



Location
South Pier,
Blackpool

Client
Birse Civils Ltd

Completed
2006

Key Project Elements

Structural Survey and
Assessment
Vibration Risk Assessment
on existing structure

PSA Design were instructed by Birse Civils Ltd to undertake a defects condition survey of the existing South Pier in Blackpool to determine the extent of visible defects on the accessible parts of the superstructure.

As part of the coastal protection scheme Birse Civils Ltd were to carry out works beneath the pier including the construction of two rows of sheet piles. The survey was undertaken to assist Birse Civils Ltd to identify the parts of the pier structure that could be vulnerable to the effects of vibration.

The survey included a visual inspection of all structural members and timber decking noting any defects or structural abnormality. During the survey a full defects photographic record was also taken. All the survey information was then compiled into a written report and issued to the client.

Conclusions and recommendations were provided within the report to assist Birse Civils Ltd in their own risk assessment appraisal. This included guidance on where temporary support of the South Pier structure could be located to strengthen the superstructure during piling operations.