

STATS Consulting

- An independent comprehensive consultancy service capable of undertaking physical examination/testing and load/defect assessment

STATS Materials Laboratories

- In-house UKAS accredited examination and testing on the performance of a wide range of construction materials

Basic Structure

Many car parks were built prior to industries current understanding of design and specification of materials for long term durability. Deterioration in service may have occurred, reducing safety margins to unacceptable levels. Poor design details and construction practice may increase the risk of failure. A further concern is the risk of progressive collapse following a local failure. STATS can assist by identifying problem areas and solutions, and providing a comprehensive report, identifying practical solutions.

Edge Barrier

Barriers along the edges of car park decks are required to protect pedestrians, particularly children from falling and to restrain vehicles.

Recent failures highlight the need for a strength appraisal, and it has been recommended that car parks should be subject to periodic inspections in this regard. STATS has many years experience of the inspection and appraisal of bridges, buildings and other engineering structures, and is well placed to carry out this work.

STATS provides a complete consultancy service from initial inspection to supervision of remedial work which is supported by UKAS accredited laboratory testing and site investigation teams.

Services available include:

- Inspection and appraisal
- Load testing of barriers
- Structural assessment
- Investigation of deterioration
- Specification and supervision of repairs



Appraisal of external fabric



Barrier load testing



Inspection of concrete structures

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