



# BridgeStation

Advanced Bridge Management System

The complete asset management tool for bridges and highway structures

### Modify Inventory

- Lock Element Inventory
- Edit an Existing Compliant Element Inventory
- Manually Create New Compliant Element Inventory
- Switch to Other Compliant Element Inventory Level

## Inventory Management

Centrally collate detailed information on your bridges and structures inventory.

| #                                   | File Name               | Number | Document Date |
|-------------------------------------|-------------------------|--------|---------------|
| <input checked="" type="checkbox"/> | General View Northbound | 1001   | 07/09/2012    |
| <input type="checkbox"/>            | General View Southbound | 1002   | 07/09/2012    |
| <input type="checkbox"/>            | Inspection Proforma     | 1003   | 07/09/2012    |

## Document Management

Upload and store important files against structures. Make use of search features.

| Inspection Programme Type | Structure Type | Inspection Type | Inspection Date | Signoff Status | Submission Count | Date Submitted |
|---------------------------|----------------|-----------------|-----------------|----------------|------------------|----------------|
| General/Borough           | Retaining Wall | GI              | 16/06/2014      | Submitted      | 1                | 23/06/2014     |
| General/Borough           | Footbridge     | GI              | 16/06/2014      | Submitted      | 1                | 24/06/2014     |
| General/Borough           | Footbridge     | GI              | 16/06/2014      | Submitted      | 1                | 09/07/2014     |
| General/Borough           | Footbridge     | GI              | 16/06/2014      | Submitted      | 1                | 13/07/2014     |

## Inspection Programming

Each element can be recorded with details of its individual defects.

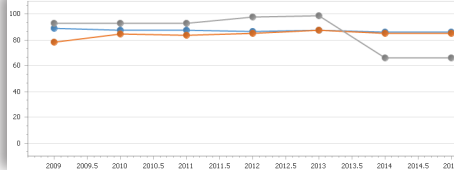
**Current Load Capacity:** 40 (t)  
**Current Load Status:** test Date: 18/02/2016

### Structural Reviews

| # | Date Of Review | Recommendation | New Assessment I |
|---|----------------|----------------|------------------|
|   | 24/02/2016     | test           | Yes              |

## Assessments

Manage structural reviews, assessments and interim measures.



## Condition Reporting

Scores and indices are automatically calculated and reported back to you.



## Dashboards

Track your progress with the BridgeStation dials.

### Report Menu

| Report ID | Report Name                | Report Description     | Publicly Available                  |
|-----------|----------------------------|------------------------|-------------------------------------|
| 32        | Demo 1: Structure Details  | All Structure Details  | <input checked="" type="checkbox"/> |
| 33        | Demo 2: Inspection Results | All Inspection Results | <input checked="" type="checkbox"/> |

## Reports Builder

Build a report made up of the fields you need and specify your own filters.



## GIS Mapping

View map themes on background mapping.

| #               | Tier 1 Status | Financial Year | Structure Type | Identifier | Final Consequence Score | Structure Condition | Substandard Structure | Flo And |
|-----------------|---------------|----------------|----------------|------------|-------------------------|---------------------|-----------------------|---------|
| Manual Override | Fail          | 2015           | Bridge         | B66        | 65.81                   | 40.00               | 64.00                 |         |
| Manual Override | Fail          | 2015           | Bridge         | B49        | 14.39                   | 75.00               | 73.00                 |         |
| Manual Override | Fail          | 2015           | Bridge         | B50        | 14.39                   | 10.00               | 73.00                 |         |
| Manual Override | Pass          | 2015           | Bridge         | B58        | 25.25                   | 40.00               | 17.00                 |         |

## Works Management

Build up prioritised lists of outstanding maintenance.

### Valuation Results Summary

| Asset Type                       | GRC                | DRC                | DRC as % of GRC | Accumulated Depreciation |
|----------------------------------|--------------------|--------------------|-----------------|--------------------------|
| Bridge                           | £18,265,461        | £14,569,049        | 79.8%           | £3,696,412               |
| Culvert                          | £19,804,200        | £8,322,916         | 42.0%           | £11,481,284              |
| Footbridge                       | £1,725,295         | £1,140,237         | 66.1%           | £585,059                 |
| Pedestrian Subway (or Underpass) | £2,043,480         | £1,365,295         | 66.8%           | £678,185                 |
| Retaining Wall                   | £556,340           | £0                 | 0.0%            | £639,623                 |
| <b>Total</b>                     | <b>£42,394,776</b> | <b>£25,397,498</b> | <b>59.9%</b>    | <b>£17,080,562</b>       |

## Asset Valuation (CIPFA)

Calculate Gross and Depreciated Replacement Costs based upon the latest guidance.

| Primary Deck Element (Table 2) | 1A | 1B | 1C | 1D | 1E | 1F | 1G | 1H | 1I | 1J | 1K | 1L | 1M | 1N | 1O | 1P | 1Q | 1R | 1S | 1T | 1U | 1V | 1W | 1X | 1Y | 1Z |
|--------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Secondary Deck Element         | 2A | 2B | 2C | 2D | 2E | 2F | 2G | 2H | 2I | 2J | 2K | 2L | 2M | 2N | 2O | 2P | 2Q | 2R | 2S | 2T | 2U | 2V | 2W | 2X | 2Y | 2Z |

## Life Cycle Planning (SAMpt)

Create 60-year deterioration models for structures based upon inspected elements in BridgeStation.



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## Hosted Service Details



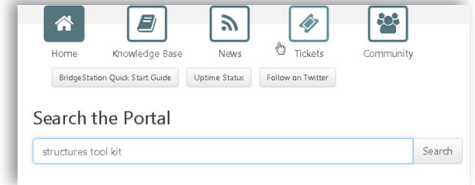
### Cloud-Based Software

BridgeStation is cloud-based software you access through your web browser. If you have an internet connection you can use BridgeStation.



### Backup and Redundancy

BridgeStation's comprehensive backup and redundancy strategy keeps your data safe. Off-site data backup and real-time data replication are included.



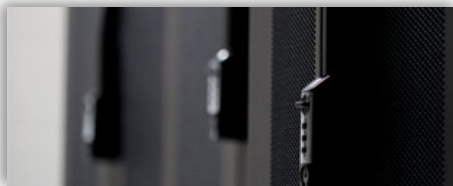
### Support Portal

There's an online knowledge base and ticket system. Phone support is also included.



### Inclusive Hosted Service

BridgeStation is offered as a hosted service. We host and maintain the software as well as the database for you.



### Inclusive Data Storage

Subscribers are given an inclusive storage allocation that can be expanded as their usage grows.



### User Groups

Bi-annual user group meetings are held in the UK. Meet fellow subscribers and keep up to date with the latest developments.



### Secure Online Environment

BridgeStation uses industry standard encryption and firewall protection.



### Inclusive User Access

Subscribers are given an inclusive user account allocation. Each user gets their own named account. Permissions and access can be individually tailored.



### Training Courses

A BridgeStation trainer can attend your offices to deliver a tailored training programme. Hosted training is also offered as an alternative.

Developed for Bridge Engineers by Bridge Engineers

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