

FORTH BRIDGE VALUES ATTRIBUTES TABLE

| Values | Attributes: aspects or qualities of a property which are associated with or express the Outstanding Universal Value, tangible or intangible. They are the focus of protection and management actions | Integrity: , disposition informs the boundary of the property | Authenticity: completeness | state of conservation |
|---|---|--|--|---|
| Art of the possible is shown by conquest of a natural obstacle | Long spans curving over troughs in the sea bed A marvel documented during construction, especially 1887-9. | ✓ | ✓ | ✓ |
| Engineering form triumphant over style | <ul style="list-style-type: none"> • Complete absence of decoration • Recognition by international engineering profession | ✓ | ✓ Plaques e.g. by ASCE are not too obtrusive. | ✓ Newer ones, e.g. Saltire, RHT are reversible |
| Solidity, strength and security (to recover the reputation of railway engineering from the Tay Bridge Disaster) | <ul style="list-style-type: none"> • Diminutive scale of the pier on Inchgarvie for the start of Bouch's suspension bridge contrasting with the: • Holbein straddle of the cantilevers • sweeping batter of the stone piers • strong tubes for compression elements • arched form of bottom chord (unlike most cantilever bridges) and relatively small link spans to continue the apparent curve • wider central pier (noticeable in E or W elevation) | ✓ | ✓ | • ? |
| | | ✓ | ✓ | ✓ |
| | | ✓ | ✓ | ✓ |
| | | ✓ | ✓ | ✓ |
| | | ✓ | ✓ | ✓ |
| | | ✓ | ✓ | ✓ |
| Scientific awareness of climatic effects, post Tay Bridge disaster | Allowance in expansion joints, sliding bed plates and bracing, for thermal effects and extreme wind loads | ✓ | ✓ | ✓ |
| Gigantic scale | Unprecedented 4-metre diameter dimensions of tubular skewbacks | ✓ | ✓ | ✓ |
| | Contrasting small scale of houses and all other structures at both Queensferry beneath the bridge | In setting | ✓ | Generally good |

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| A key operational part of the national rail infrastructure | 200 train movements per day: a monitoring indicator | ✓ | ✓ | ✓ |
| Represents UK railways and the age of improvement | Unrelated books ranging from the <i>DNA of the Scots</i> to the <i>Archaeology of modern Britain</i> have the Forth Bridge on their covers. A highlight of rail tours, e.g. Railway Touring Co "Great Britain VI" from SW England and Wales to Scotland has Forth Bridge as its headline image | ✓ ✓ | ✓ ✓ | ✓ ✓ |
| Gateway | For train passengers, views down into the Queensferry, succeeded by glimpses through the tubes and spars, and the echoing sound of the train, make crossing it a multi-sensory experience. Signalling, <ul style="list-style-type: none"> From the north, imminent arrival in Edinburgh or a significant stage in journeys south From the south, the start of an adventure in northern Scotland: a proper journey not just a trip. To other travellers: <ul style="list-style-type: none"> From the east, a sense of arrival in Scotland when on a continental passenger ferry, or on the flight path into Edinburgh airport (less so from the west as departing flights usually go west) To road-users, the tops of the bridge stand out e.g. from the M90 by Crossgates, signal proximity to the Forth and although lower are more eye-catching than the towers of the Road Bridge | ✓ ✓ ✓ Key view in setting ✓ Key view | ✓ ✓ ✓ Some competition: Dakota Hotel; Dot matrix signs on M90 | ✓ ✓ ✓ ✓ |
| Landmark dominating its setting | The viewsheds are elaborated in the setting report and in the clockwise viewpoints study, but this is indicative: | | | |
| | To residents and visitors on foot or in small boats: awesome | | | |

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| | <ul style="list-style-type: none"> • in North Queensferry an overwhelming presence in the town of the skewback rising from the rock, and then a widening out of views as bridges diverge southwards • in South Queensferry a high elevated viaduct, seen from below or in elevation, and the perspective effect of bridges converging on the opposite headland, framing a vista • from Hound Point, and Mons Hill Dalmeny estate, • the Binns, Hopetoun and Newton Viewpoint • Blackness Castle and Abercorn on the south shore the bridge is silhouetted through the almost-invisible cables of the road bridge, and viewable in true elevation. • viewed from Limekilns, Rosyth or Dalgety Bay on the north shore, the bridge is seen at an angle, distinctive in colour and shape amongst other competing elements. • from Dunfermline (New Row, Pittencrieff Park) the three towers over Castleand Hill) • from Castleand Hill and Muckle Hill Inverkeithing (upper part of three towers in alignment) • Edinburgh shore (Cramond, Granton, Newhaven) • from Edinburgh Castle, Calton Hill, Arthurs Seat • from Corstorphine Hill • from Craiglockhart Hill • From Bonhard and A904 above Bo'ness • From Bathgate Hills, and Cairpapple, upper part in elevation, farmland in foreground | <p>CA</p> <p>CA DL DL ✓ Key view</p> <p>✓ key view</p> <p>✓ Key view</p> <p>✓ Key view</p> <p>In view</p> <p>In view</p> <p>✓ Key view in view in view</p> | <p>✓</p> <p>✓ ✓ ✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> | <p>✓</p> <p>✓ ✓ ✓</p> <p>✓</p> <p>✓</p> <p>Wind turbine in foreground</p> <p>✓ Too wooded except NW edge</p> <p>✓ ✓ ✓</p> |

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| Human effort and sacrifice: | <p>73 deaths during construction. Besides graves in local churches and monuments to the dead in the Queensferry (put up in 2012), the bridge is itself a monument.</p> <p>Workmen's bothies exist on the bridge, tiny reminders of human element vs vast scale of bridge.</p> <p>Workshops and houses for staff at 1-16 Rosshill Terrace, Dalmeny for foremen, and senior staff (Bridge House, listed).</p> | <p>In and outside setting</p> <p>✓</p> <p>Terrace not in CA</p> | <p>✓</p> <p>✓</p> <p>Temporary barracks were removed in 1890</p> | <p>✓</p> <p>✓ Reasonably upgraded</p> <p>Pebbledash on the brick terraced houses,</p> |
| Heroic age of engineering | <ul style="list-style-type: none"> • Major triumph for the contractors, much-visited during construction by eminent engineers and non-engineers. • Pioneered use of hydraulic machinery on a large scale • Steel in riveted tubes, formed large-section elements when viewed from the ground level (accessible to all). • Multiple spars for tension elements, diagonals and when viewed horizontally below track level and at high level (mainly seen by staff). | <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> | <p>✓</p> <p>the last 'gold' rivet (in fact brass) placed by Prince of Wales: missing?</p> <p>✓</p> <p>✓</p> | <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> |
| Emblematic of local communities | <p>Image used in</p> <ul style="list-style-type: none"> • Community Council and BID literature • signage by half the shops/ cafes in Queenferry community events like the "Loony Dook" • Boat tours • brand advertising e.g. Forth Removals: • new Forth Bridge Brewery, Inverkeithing <p>Demonstrating positive adoption by nearby communities</p> | <p>In both CA and beyond</p> | <p>NA</p> | <p>NA</p> |

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| Worth defending | Fortifications ranging in date from medieval to Second World War, batteries, mining and coastguard stations perched around quarries in Fife, all point to the narrowing of the Forth at the point that dictated the location of the Bridge. First aerial dog fight in WWII, so it was a high profile target | ✓ | ✓ | Carlingnose now in domestic/office use. Inchgarvie deteriorating slowly. |
| Linking communities, expanding opportunities for travel. | Located on the site of the historic crossing point on the river between what are now the towns of South and North Queensferry. Attributes such as <ul style="list-style-type: none"> ferry piers by John Rennie and by Stevenson related inns and leading lights, Forth Road Bridge, opened 1964, the first long-span suspension bridge in the UK, also crosses the isthmus, and a little further away a cable-stayed crossing is under construction | (all in setting) ✓ ✓ ✓ | ✓ ✓ ✓ | (but with RNLI on Hawes pier) ✓ NQ lantern restored 2011 ✓ corrosion in FRB cables monitored and hot air applied to them |
| Commercial competition driving forward development | Commercial driver: North British Railway Co built both Forth and Tay bridges only because it was in competition for longer-distance passengers with Caledonian Railway. The prestigious railway termini in Edinburgh also reflect this: NB (now the Balmoral) Hotel within EONTWHS, Caledonian Hotel beyond it. | ✓ (Only Forth Bridge is in the property). | ✓ | ✓ |
| Reputation as a by-word for an enduring task | 'Forth Bridge' red paint, "Its like painting the Forth Bridge" has long supplanted the idiom Sisyphus and his stone in the English language | ✓ | now over a long-lasting glass flake epoxy coating. | Good |
| Iconic representation of Scotland: making tangible the intangible | Used in bank notes, pound coins (representing Scotland in the bridges series), Fife Council's logo, in commercial advertising ("Irn Bru made from girders"), Millennium count-down clock, and as a backdrop for political announcements | Everywhere across Scotland | Use is higher than ever | ✓ |