

Contractor



Forth Crossing Bridge Constructors

HOCHTIEF Solutions American Bridge International DRAGADOS Morrison Construction

Project

FORTH REPLACEMENT CROSSING

Document title

CULTURAL HERITAGE MANAGEMENT PLAN

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CULTURAL HERITAGE MANAGEMENT PLAN

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1 INTRODUCTION

- 1.1.1 This Cultural Heritage Management Plan details how FCBC will undertake work in such a way as to prevent, so far as is reasonably practicable, disturbance or damage to built heritage including Listed Buildings, Scheduled Monuments and other sites of archaeological interest as defined in relevant legislation and the Environmental Statement.
- 1.1.2 FCBC have appointed Headland Archaeology as Archaeological Clerk of Works (ACoW) who will be responsible for implementing the elements and procedures outlined in this plan.
- 1.1.3 FCBC have consulted with Historic Scotland regarding preparation of the Cultural Heritage Management Plan.

2 SCOPE

- 2.1.1 The Cultural Heritage Management Plan includes:
 - A description, including maps showing the locations, of all known sites of archaeological or cultural heritage interest and conservation areas within and adjacent to the construction site;
 - Procedures to be adopted during topsoil stripping, including a watching brief to be implemented by an ACoW.
 - Procedures to be adopted in the event of an unanticipated discovery or disturbance of archaeological remains.
 - Procedures to be adopted in the event of emergency work to any sites of archaeological or cultural heritage interest.
 - Procedures to be adopted to protect archaeological remains in situ beneath earthworks will be agreed with Historic Scotland if identified during the archaeological watching brief. None have been identified at present.
 - Procedures for the dismantling and re-erection of any buildings of cultural heritage interest.
 - Archaeological monitoring procedures to be implemented at any sites of archaeological or cultural heritage interest adjacent to the construction site during construction.
 - The measures to be implemented for each area of archaeological or cultural heritage interest to prevent damage by the movement of construction vehicles and machinery will be developed in detailed method statements in consultation with the Archaeological Clerk of Works.



3 MITIGATION OF POTENTIAL IMPACTS

3.1 Protection Measures

- 3.1.1 FCBC will provide appropriate fencing and hoarding as may be necessary to protect sites of archaeological or cultural heritage interest within or adjacent to the construction site, including unknown sites discovered during construction.
- 3.1.2 FCBC will implement appropriate watching briefs and archaeological monitoring during construction works where necessary. The Archaeological Clerk of Works will provide watching briefs for topsoil stripping at the South Shore (S6), South Shore Access Track (Port Edgar), and parcels of land not previously subject to archaeological investigation during the Advanced Archaeological works at Echline & Dundas). These are indicated on the attached drawings.

3.2 Consultation

- 3.2.1 FCBC will consult with Historic Scotland should any archaeological or cultural heritage finds or sites be discovered or revealed during construction to enable appropriate measures to be implemented to mitigate potential impacts. The responsibility for appropriate analysis, reporting and archiving of any discoveries lies with FCBC. Mitigation measures may include the following, as appropriate:
 - investigation and assessment of the discoveries to determine their significance;
 - assessing the potential impacts due to the Project to inform the design of appropriate mitigation measures;
 - excavating, recording and reporting on any discoveries; and
 - recording and taking measures to potentially preserve any discoveries in situ if required or appropriate as agreed with Historic Scotland.
- 3.2.2 No works will be carried out on any sites of archaeological or cultural heritage interest without informing Historic Scotland. If emergency works are planned on any listed buildings or archaeological sites (i.e. due to a Health and Safety issue) then the Archaeological Clerk of Works, Employers Delivery Team and Historic Scotland will be informed as soon as possible. Works will be kept to a minimum and all advice from the ACoW and Historic Scotland will be followed, if possible.

3.3 Surveys and Monitoring

- 3.3.1 FCBC have carried out Property Condition surveys at the following locations:
 - St Margaret's Hope, Admiralty House, Category B listed building;
 - Port Edgar Barracks Category B listed complex; and
 - Inchgarvie House Category C(s) listed building.
- 3.3.2 When works commence in the vicinity of the following archaeological areas, advice will be

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sought from the ACoW (the reference numbers refer to sites identified on **Figures 1b-1g**). The maps that form Figures 1b – 1g are those detailing the archaeological sites identified in the Environmental Statement that may require protection to ensure they were not adversely affected by the design, execution and completion of the works. Subsequent studies and consultations have reduced the number of cultural heritage sites to the following:

- St Margaret's Hope Wharf (289); a wharf noted during field survey, servicing Ferrytoll quarry. This is not a designated site.
- Inchgarvie House (532): this is a category C (S) Listed Building.
- Linn Mill Burn cropmark (561): this is an undesignated site located within the Echline Field area.
- Incharvie House Linear cropmarks (811): series of cropworks across the field to the SW of Inchgarive House. This is an undesignated site.
- Newbigging Cobbled Surface (150): this is an undesignated site.
- Echline Strip Clearance Cairns (1147): this is an undesignated site.
- Newbigging Tank / Spring (1149): this is an undesignated site.
- Port Edgar Barracks Complex (484): this is a military built heritage site and is notable due to its excellent preservation and quality. This site included a Category B listed former Royal Naval hospital, prison, hospital, air raid shelter and boiler room and barrack complex.
- Dundas Castle Designed Landscape (1111): substantial designed landscape and organised parkland, designated under the Inventory of Historic Gardens and Designed Landscapes.
- St Margaret's Hope Relict Country Estate (1102): historic gardens and designed landscapes/. This is an undesignated site.
- 3.3.3 Beamer Rock Beacon was dismantled during late 2011 and level 2 Historic Building Survey was carried out. A Qualified Stonemason and Archaeological watching brief also recorded the dismantling of the lighthouse. The lighthouse is currently in storage.
- 3.3.4 The nature, extent and frequency of vibration monitoring will be appropriate and agreed with Historic Scotland taking into consideration the nature of the planned construction works and proximity of the relevant site. For further details see the Noise and Vibration Management Plan.

3.4 Hope Street Cemetery

3.4.1 FCBC will seek to minimise the encroachment of the design and construction of the Project into Hope Street Cemetery, Inverkeithing and have consulted with Fife Council Bereavement Services in this regard. There is currently no planned encroachment to into the cemetery at this point in time.

3.5 Marine Archaeology

- 3.5.1 An assessment has been carried out by Headland Archaeology to calculate the potential for shipwrecks around Beamer Rock using data from a geophysical survey carried out Page 5 of 8
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around the Rock. It was determined by Headland Archaeology that there was no need for further investigation and the likelihood of impact on any shipwrecks was low.

3.5.2 The ACoW provided a briefing to all operatives prior to dredging commencing. This was to alert staff as to the sorts of material or changes in material that would be of interest to the ACoW. In particular, the operators of the dredge bucket will be made aware that they might encounter archaeological material and that they may have to stop the operation for an assessment of any recovered material. To date, there have been no archaeological finds during dredging.

4 PROCEDURES

- 4.1.1 Upon discovery of any archaeological remains works will cease immediately, the Site Foreman will be notified who will in turn contact the Environmental Manager and the ACoW in order to provide relevant advice.
- 4.1.2 For dredging, the management of the process will be as follows: any potential finds or materials of interest will be separated from the rest of the dredged material and placed into a hold or on deck in a separated area, where practicable, photographic evidence will be taken. The location of the dredging vessel and bucket at the time of the find will be recorded using a GPS system on the boom of the arm from which the bucket operates. In addition the dredged depth will be logged. Thus a spatial record will be obtained of any potential finds.
- 4.1.3 The ACoW will be contacted immediately and advised of the potential find. The further assessment or disposal of the potential find will be under the control of the ACoW. Should the ACoW believe the find is of interest, the find and relevant information will be reported to Historic Scotland and a meeting arranged to discuss the find and to establish a suitable protocol for its preservation and further assessment. If any potential finds or material of interest are found when the ACoW is not available (during night work) dredging will stop in that area and move to another location to continue works. The material of interest shall be stored until the following morning for inspection by the ACoW.

5 MONITORING

5.1.1 There are no additional monitoring requirements to those outlined in Section 3, above.



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6 **REFERENCES**

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- Standard and Guidance for Archaeological Field Evaluation, Institute for Archaeologists, 2008
- Standard and Guidance for the Archaeological Investigation and Recording of Standing Buildings or Structures, Institute for Archaeologists, 2008
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- The Law and Burial Archaeology, Garratt-Frost, Stephen 1992; Institute of Field Archaeologists Technical Paper No. 11, 1992



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Figures

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