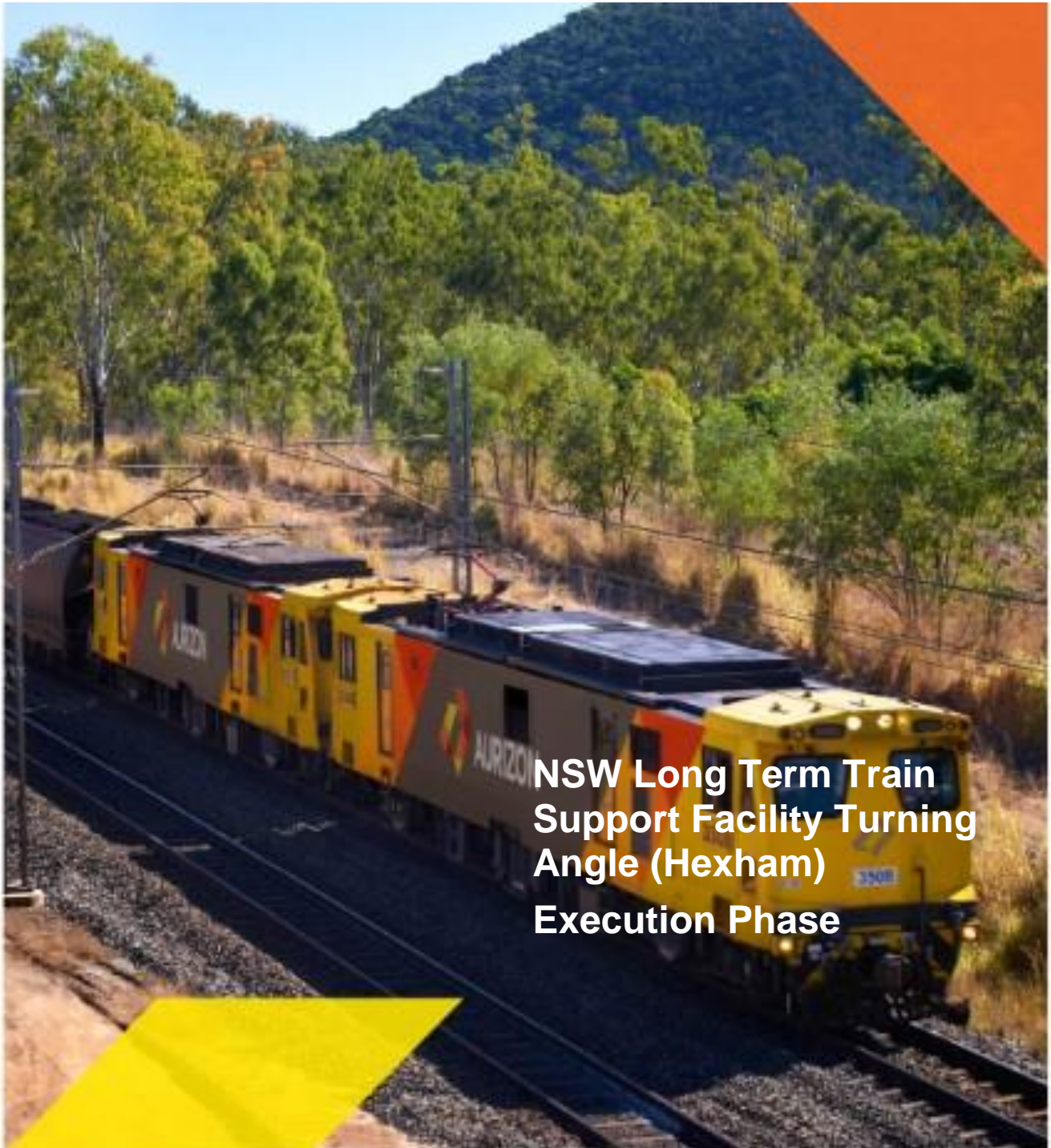


## Construction Non-Indigenous Heritage Management Plan



**NSW Long Term Train  
Support Facility Turning  
Angle (Hexham)  
Execution Phase**


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## Document Approval/ Sign Off

Position	Name	Signature	Date
Project Manager	Julian Bailey		19/12/19

## Version Control

Rev	Date	Author	Comments
1	27/11/2019	Harry Egan	Final

# 1.0 Purpose

This Construction Non-Indigenous Heritage Management Plan (CNIHMP) supplements the Project Construction Environmental Management Plan (CEMP) for the construction phase of the NSW Long Term Train Support Facility (TSF) Turning Angle. This CNIHMP is based on the:

- Proposed QR national Train Support Facility: Statement of Heritage Impacts (EJE, August 2012)
- Hexham Train Support Facility: Statement of Heritage Impact (Jacobs, 08 March 2019)

This CNIHMP provides:

- Description of known heritage items onsite;
- Mitigation measures; and
- Uncovered relic management actions.

As per Condition E63 of State Significant Infrastructure MP07\_0171 the plans required by Condition E63(e) only apply to the Turning Angle Works insofar as they provide for unexpected finds procedure and staff training and induction.

This CNIHMP addresses the relevant Ministers Conditions of Approval (MCoA) as shown in Table 1.1.

**Table 1.1 Relevant Ministers Conditions of Approval**

MCoA	Task Detail	Where addressed
E63 (e)	a <b>Construction Heritage Management Plan</b> to detail how construction impacts on Aboriginal and Historic heritage will be minimised and managed. ii. In relation to Historic Heritage - I. developed in consultation with the NSW Heritage Branch,	Section 1
	II. identification of heritage items directly and indirectly affected by the SSI,	Section 2
	III. details of management measures to be implemented to prevent and minimise impacts on heritage items including measures to protect unaffected sites during construction works in the vicinity,	Table 3.1
	IV. details of monitoring and reporting requirements for impacts on heritage items;	Section 4.1
	V. procedures for dealing with previously unidentified heritage items, (including cessation of works in the vicinity), assessment of the significance of the item(s) and determination of appropriate mitigation measures including when works can re-commence by a suitably qualified and experienced archaeologist in consultation with the NSW Heritage Branch and the Department, and assessment of the consistency of any new heritage impacts against the approved impacts of the SSI;	Table 3.1
	iii. heritage training and induction processes for construction personnel (including procedures for keeping records of inductions) and obligations under the conditions of this approval including site identification, protection and conservation of Aboriginal and historic heritage; and	Table 3.1
	iv. mechanisms for the monitoring, review and amendment of this Plan	Section 4.2.1

## 1.1. Indicative Construction Activities Schedule

The project is expected to be completed over a nominal duration of 18 months from approval. A range of activities with varying noise and vibration impacts are required in that time and these are summarised in Table 1.2.

The timing of construction activities should be further refined in consultation with ARTC's construction of the Hexham Relief Roads (HRR) to minimise any cumulative impacts on sensitive receivers.

**Table 1.2 Indicative Construction Stages and Scheduling**

Construction Phase	Activity	Indicative Schedule
Mobilisation	<ul style="list-style-type: none"> <li>Tarro interchange dilapidation survey</li> <li>Delineation of sensitive areas</li> <li>Site establishment</li> </ul>	December 2019
Civil Earthworks	<ul style="list-style-type: none"> <li>Clear and grub</li> <li>Strip topsoil</li> <li>Prepare and trim subgrade</li> <li>Boxcut spoil</li> <li>Replace topsoil and hydro mulch</li> </ul>	06 January 2020 to 30 April 2020
Remediation	<ul style="list-style-type: none"> <li>PASS neutralisation</li> </ul>	06 January 2020 to 30 April 2020
Rail Pavement	<ul style="list-style-type: none"> <li>Rock layer</li> <li>Structural layer</li> <li>Capping layer</li> </ul>	17 February 2020 to 03 April 2020
Civil Stormwater	<ul style="list-style-type: none"> <li>Installation of box culverts</li> </ul>	06 March 2020 to 15 April 2020
Headwalls	<ul style="list-style-type: none"> <li>Installation of box culverts</li> </ul>	23 March 2020 to 15 April 2020
Track Works	<ul style="list-style-type: none"> <li>Placement of ballast</li> <li>Installation of sleepers and rail</li> <li>Installation of turnouts</li> <li>Tamping</li> <li>Construction of level crossing</li> </ul>	06 April 2020 to 12 May 2020
Demobilisation	<ul style="list-style-type: none"> <li>Site clean-up and demobilisation</li> </ul>	13 May 2020 to 15 May 2020

## 1.2. Minmi to Hexham Railway and Great Northern Railway

Areas of non-indigenous archaeological potential are associated with the triangle of land which is formed by the junction of the Minmi to Hexham Railway on the north, the Great Northern Railway on the east. This area is shown in Annexure A. Consultation with the Heritage Division was carried out in regards to these areas during preparation of the TSF CNIHMP. No works associated with the Turning Angle are proposed to occur in these areas.

## 2.0 Site Cultural Resources

### 2.1. Known Non-Indigenous Heritage

No known or potential non-indigenous sites have been located within the Turning Angle project footprint.

### 2.2. Unexpected Finds

In the event that historical archaeological relics not assessed or anticipated by the CNIHMP are found during the works, all works in the immediate vicinity are to cease immediately. A qualified archaeologist be contacted to assess the situation and consult with the Heritage Branch of the Office of Environment and Heritage regarding the most appropriate course of action.

Construction activities on site are bound by the requirements of S.146 of the *Heritage Act 1977*, including the obligation to notify the Heritage Division of the discovery of a relic:

*“A person who is aware or believes that he or she has discovered or located a relic (in any circumstances, and whether or not the person has been issued with a permit) must:*

- (a) within a reasonable time after he or she first becomes aware or believes that he or she has discovered or located that relic, notify the Heritage Council of the location of the relic, unless he or she believes on reasonable grounds that the Heritage Council is aware of the location of the relic, and*
- (b) within the period required by the Heritage Council, furnish the Heritage Council with such information concerning the relic as the Heritage Council may reasonably require.”*

Actions to address these statutory obligations are provided in Table 3.1.

## **3.0 Environmental Controls**

### **3.1. Environmental Control Measures**

Table 3.1 below details the specific environmental control measures. The mitigation measures are designed to ameliorate impacts on sensitive receivers. The strategies are based on the recommendations of the EA, the Minister's Conditions of Approval (MCoA) and the Statement of Commitments.

Controls were developed in consultation with the Heritage Division during preparation of the TSF CNIHMP and have subsequently been adopted for this management plan.

### **3.2. Complaints Handling Procedure**

All community inquiries and complaints will be managed in accordance with the Community Consultation Strategy. Each complaint will be recorded and investigated with a view to addressing the source of the complaint. All complaints will be responded to.

### **3.3. Training and Induction**

A site induction will be carried out that addresses the requirements of this CNIHMP and describes worker's responsibilities with regard to non-indigenous heritage management. All site workers are required to complete the site induction prior to their commencement on site and to sign to confirm completion.



**Table 3.1: Environmental Control Measures**

Environmental Control Measure	Person Responsible	Timing/Frequency	Completed (initials/date)
<b>Training and Induction</b>			
Provide an induction to site personnel addressing the requirements of this CNIHMP and their responsibilities with regard to non-indigenous heritage management. All site workers are required to complete the site induction prior to their commencement on site and to sign to confirm completion	Contractor	Daily or as required	
<b>Pre-construction</b>			
Mitigation measures from this plan will be incorporated into relevant Work Method Statements.	Contractor	As required	
<b>During Construction</b>			
<p>In the event that historical archaeological relics not assessed or anticipated by this report are found during the works, all works in the immediate vicinity are to cease immediately. The Senior Adviser Environment will be contacted to assess the situation and consult with the Heritage Branch of the Office of Environment and Heritage regarding the most appropriate course of action.</p> <p>A suitably qualified and experienced archaeologist may be required to assess the significance of the item(s), determine appropriate mitigation measures, and assess the consistency of any new heritage impacts against the approved impacts of the SSI, in consultation with the Heritage Division and DPIE.</p> <p>Works in the vicinity will not recommence until the Environment Manager has cleared the area for work.</p>	Senior Adviser Environment	As required	
Should a discovered relic be considered of local, state or national significance, the Senior Adviser Environment will, in consultation with the Environment Manager and the Heritage Branch, consider the practicality of conserving the relic on site.	Senior Adviser Environment	As required	
If it is determined impractical or unsuitable to conserve the relic on site, it shall be removed and taken to the Newcastle Museum (or other suitable body <sup>1</sup> ) for conservation.	Facilities Coordinator	As required	
Should the proposed development be altered significantly from the proposed concept design, then a reassessment of the heritage/archaeological impact may be required.	Senior Adviser Environment	During construction	
<b>Monitoring</b>			
The Senior Adviser Environment will include photographs of the salvaged heritage items and	Senior Adviser	Monthly	



Environmental Control Measure	Person Responsible	Timing/Frequency	Completed (initials/date)
report in the monthly environment report their storage location until reuse. The final reuse will be photographed and reported in the monthly environment report.	Environment		
All environmental records including monitoring and complaints records shall be kept for a period of 4 years and produced to an authorised EPA officer on demand.	Senior Adviser Environment	As required	
<b>Reporting and Non-conformance</b>			
Non-conformance report will be completed in accordance with Section 4.5 of the CEMP.	Senior Adviser Environment	As required	
Submit reports to the client (and OEH when requested) outlining environmental performance and compliance with the MCoA.	Senior Adviser Environment	Monthly	

<sup>1</sup>other relevant bodies include: Museum of Applied Arts and Science, Sydney NSW (Powerhouse Museum), Trainworks, Thirlmere, NSW (NSW Rail Transport Museum), National Museum of Australia, Canberra, Australian Railway Historical Society, NSW Division, Sydney NSW.

## 4.0 Environmental Monitoring and Reporting

### 4.1. Heritage Monitoring

During construction the Senior Adviser Environment will photograph salvaged heritage items and report in the monthly environment report their storage location until re-use. The final reuse will be photographed and reported in the monthly environment report.

A Heritage Interpretation Plan was prepared for the TSF in accordance with MCoA E17 and provided in TSF CNIHMP.

#### 4.1.1. Non-conformance Response

As soon as it is identified that a potential heritage item has not been managed in accordance with Table 3.1, the Senior Adviser Environment must be notified. The source, handling and destination of the item will be recorded. The procedures of this CNIHMP would be reviewed to identify and rectify the cause of the non-compliance.

Non-conformance will be resolved in accordance with the CEMP.

### 4.2. Reporting

Reporting will be undertaken as described in the CEMP. Any complaints or non-compliances will be reported.

#### 4.2.1. Review and Improvement of the CEMP

The Environment and Community Manager will review this Plan and its implementation at least every six months from commencement of construction. The purpose of the review is to ensure that the CEMP and sub-plans and operating system is meeting the project's statutory requirements.

The review will consider:

- Clients, site personnel and agency comments;
- Audit findings;
- Environmental monitoring records;
- Complaints;
- Incident reports;
- Corrective actions taken;
- Environmental non-conformance;
- Changes in organisational structure;
- Changes in construction methodology; and
- Changes in legislation and standards.

The Environment Representative will review the compliance reports and any proposed updates to the CEMP. The ER has authority to approve/reject minor amendments to this CEMP. Minor amendments are changes that do not have a detrimental effect on the environment or increase the risk profile.

Major changes to the CEMP will require Director-General approval.

#### **4.2.2. Review and Improvement of the CNIHMP**

The Environment and Community Manager will review the adequacy, application and awareness of the CNIHMP in response to any of the following triggers:

- Following an unidentified/unexpected find;
- Following a non-conformance, as per Section 4.1.1;
- Following a non-conformance identified during an independent environmental audit; or
- Following the issue of a notice, order or direction from the Heritage Division of the Office of Environment and Heritage.

## 5.0 References

- ADW Johnson (2013) Environmental Assessment, NSW Train Support Facility, 16 November 2012, Project No.37417.
- EJE (2012) Statement of Heritage Impact Proposed QR National Train Support Facility Hexham NSW, August 2012, Ref:7706-SOHI-003.
- JBA (2013) Preferred Project Report and Response to Submissions Project Application MP07\_0171, Maitland Road, Hexham, PPR NSW Train Support Facility, June 2013, Ref: 12599.
- Hexham Train Support Facility: Statement of Heritage Impact (Jacobs, 08 March 2019)

# Annexure 1 – Non-Indigenous Heritage



Legend

- |                  |                    |                       |
|------------------|--------------------|-----------------------|
| Project boundary | Main North Railway | Listed heritage items |
| Major road       | Waterway           | Item - General        |
| Local road       | Waterbody          |                       |



1:20,000 at A4



Data sources

NW Spatial Services 2019  
 © Department Finance, Services and Innovation (Oct 2018)  
 © Department of Finance, Services & Innovation 2018

GDA94 MGA56

Figure 4.6 Location of heritage items listed on the Newcastle LEP in the vicinity of the study area

Date: 28/03/2019 Path: F:\Data\GIS\Projects\NO\_L\_DRIVE\A308200 - Hexham Train Support Facility\23\_Spatial\GIS\Directory\Templates\Figures\A208200\_GIS\_F005\_HeritageItems\_r12.mxd  
 Created by: KM | QA by: HK

# Annexure 2 – Risk Assessment



9	Heritage	A) Construction activities resulting in impacts to unidentified Aboriginal and non-Aboriginal heritage items.	<p><b>Elimination</b></p> <p>A) Survey of the Site undertaken as part of the Turning Angle EA did not identify any artefacts within the vicinity of the project area.</p> <p><b>Substitution</b></p> <p>Not applied</p> <p><b>Isolation</b></p> <p>Not applied</p> <p><b>Engineering</b></p> <p>Not applied</p> <p><b>Administration</b></p> <p>A) Aurizon Cultural Heritage Tool Box Talk and unexpected finds protocol.</p> <p>A) CHMP and CNIHMP</p> <p>A) Induct personnel on heritage issues and safeguards.</p> <p><b>PPE</b></p> <p>Not applied.</p> <p><b>Control Effectiveness:</b></p> <p>SE</p>	<p><b>Guidance:</b> The selected HOC is justified on the basis that the controls form part of the accepted safe system of work for the known operating environment and have valid potential to minimise the identified risk.</p> <p>All credible control options were considered within the hierarchy of control (HOC) as applicable to the accountable sphere of control.</p> <p>Controls considered but rejected: NIL</p>	1	1	L	<p><b>Elimination</b></p> <p>Not applied</p> <p><b>Substitution</b></p> <p>Not applied</p> <p><b>Isolation</b></p> <p>Not applied</p> <p><b>Engineering</b></p> <p>Not applied</p> <p><b>Administration</b></p> <p>Not applied</p> <p><b>PPE</b></p> <p>Not applied</p> <p><b>Control Effectiveness:</b></p> <p>SE</p>	<p><b>Guidance:</b> Risk Controls are subject to ongoing due diligence in accordance with the authorised implementation and review timeframes.</p>	Project Manager and Principal Contractor/Senior Adviser Environment		02/12/2020
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