JAMIESON CONTRACTING

Project: 00330 Bailey Bridge Phase 1
Demolition Management Statement
Issue: 01
Date: 16-08-2024

DISTRIBUTION LIST

ISSUED TO:	JOB TITLE	ORGANISATION	VERSION
Andy Jamieson	Director	JCL	01
Gary Knight	Project Manager	JCL	01
Billy Roberts	HSQE Manager	JCL	01
Chris Tallantyre	Senior Quantity Surveyor	JCL	01
Ian Doughty	Senior Structural Engineer	Manchester City Council	01

DEMOLITION MANAGEMENT STATEMENT

Removal of Metal Bridge

1. Introduction:

This Demolition Management Statement outlines the procedures, safety measures, environmental considerations, and responsibilities associated with the removal of the Bailey Bridge, over the river Mersey in the Chorlton area of Manchester.

Following a recent periodic inspection of the bridge structure, it has been declared structurally unsafe and has therefore been closed to any form of public use. As the bridge is a regularly used crossing point over the River Mersey it is essential to replace the structure as expediently as possible.

The objective is to ensure a safe, efficient, and environmentally responsible demolition process.

2. Project Overview:

Location: Manchester M21 7PG

Type of Bridge: Metal structure with timber deck. Closed for replacement.

Project Scope: Complete removal of the bridge super structure, leaving the concrete sub-structure in situ for further investigation & survey works.

Project Duration: Start Date - October 2024. End Date - November 2024.

Client/Owner: Manchester City Council

Principal Contractor: Jamieson Contracting

3. Regulatory Compliance:

All demolition activities will comply with the relevant regulations and guidelines, including:

- Management of Health and Safety at Work Regs1999,
- The Construction (Design and Management) Regulations 2015 The Health, and Safety at Work etc. Act 1974
- Environmental Protection Act
- Local council permits and any other necessary approvals.

4. Site Access and Security:

Access Points:
Designated access routes for equipment, materials, and personnel will be established.

Site Security:
The site will be fenced off with secure gates to prevent unauthorized access. A linked CCTV security system and signage will be in place.

Traffic Management:
A traffic management plan will be implemented to ensure the safe movement of vehicles and equipment to and from the site, with minimal disruption to the public.

5. Demolition Methodology:

Survey and Assessment:
A structural survey of the bridge will be conducted to determine the integrity of the structure and identify any hazardous materials (e.g., lead-based paint, asbestos).

Preparation:
All utility services where applicable (electricity, water, gas) will be disconnected. Any hazardous materials identified will be safely removed following proper protocols.

Demolition Sequence:

1. Access to site
    - The 650t vehicular crane will access the site from the northern carriageway of Princess Parkway taking the M60 slip road (West) and immediately using the bus slip road to the left giving access directly onto Willenhall Road, taking the journey along Willenhall Road as a direct route to Bailey Bridge. Once onto Willenhall Road, a banksperson will accompany the remainder of the crane's journey to ensure identification & safety of potential pedestrians & other road users.
2. Preparation and Site Setup:
    - Mobilise machinery, erect scaffolding, and install temporary supports where necessary.
    - Herras fence site as shown on attached drawing/location plan (edged red) to ensure a secure working area inaccessible to non-site staff and operatives, so to ensure public safety.
3. Removal of the Bridge:

- A 650t crane will be rigged behind the abutment following a full road closure.
- The bridge will be jacked up from the abutments before being lifted out using the 650t crane.
- Cut and remove timber decks from bridge.
- The bridge will then be dismantled into piece small components. The components will not be fit for reuse and will be disposed of.
- De-rig crane

6. Waste Management:

Metal components will be sorted for recycling. Other materials will be disposed of following local waste management regulations.

7. Health and Safety Measures:

Risk Assessment:
A thorough risk assessment will be conducted to identify potential hazards associated with the demolition process.

Personal Protective Equipment (PPE):
All workers will be equipped with appropriate PPE, including helmets, high-visibility clothing, gloves, eye protection, and safety harnesses.

Dust and Noise Control:
Measures such as water spraying and noise barriers will be implemented to minimize dust and noise emissions.

Emergency Procedures:
An emergency response plan will be in place, with clearly defined procedures for dealing with incidents such as fire, structural collapse, or worker injury.

8. Environmental Considerations:

Waste Management:
A waste management plan will be implemented to recycle or properly dispose of demolition waste.

Pollution Control:
Measures will be in place to prevent contamination of nearby water bodies, including silt fences and spill containment systems.

Wildlife Protection:
As the site is in proximity to protected wildlife habitats, appropriate measures will be taken to minimize disruption to local fauna as per the Ecologist’s report.

9. Communication Plan:

Stakeholder Engagement:
Regular updates will be provided to local authorities, residents, and businesses regarding the progress of the demolition.

Public Notifications:
Information about the demolition schedule and any potential disruptions will be communicated through local media, signage, and direct notifications.

10. Monitoring and Reporting:

Progress Monitoring:
The demolition progress will be monitored daily by the site manager, with regular reports submitted to the client.

Incident Reporting:
All incidents, near misses, and accidents will be recorded and reported as per company and regulatory requirements.

Post-Demolition Inspection:
A final inspection will be carried out to ensure the site is left in a safe and satisfactory condition.

11. Conclusion:

This demolition management statement serves as the foundation for the safe, efficient, and environmentally responsible removal of the old Bailey Bridge. All activities will be conducted with the utmost regard for safety, environmental protection, and community impact.

Prepared by: Gary Knight

Project Manager
16-08-2024

Site Logistics Plan:

