

High Speed Rail (Crewe – Manchester) Environmental Statement

Volume 5: Appendix HA-001-0MA08

Health

MA08: Manchester Piccadilly Station
Health assessment matrix

High Speed Rail (Crewe – Manchester) Environmental Statement

Volume 5: Appendix HA-001-0MA08

Health

MA08: Manchester Piccadilly Station
Health assessment matrix



Department
for Transport

High Speed Two (HS2) Limited has been tasked by the Department for Transport (DfT) with managing the delivery of a new national high speed rail network. It is a non-departmental public body wholly owned by the DfT.

High Speed Two (HS2) Limited
Two Snowhill
Snow Hill Queensway
Birmingham B4 6GA

Telephone: 08081 434 434

General email enquiries: HS2enquiries@hs2.org.uk

Website: www.hs2.org.uk

A report prepared for High Speed Two (HS2) Limited:

ARUP+ ERM | FOSTER + PARTNERS | JACOBS
RAMBOLL | TYPESA | COSTAIN

MWJV

Mott MacDonald | WSP

High Speed Two (HS2) Limited has actively considered the needs of blind and partially sighted people in accessing this document. The text will be made available in full on the HS2 website. The text may be freely downloaded and translated by individuals or organisations for conversion into other accessible formats. If you have other needs in this regard, please contact High Speed Two (HS2) Limited.

© High Speed Two (HS2) Limited, 2022, except where otherwise stated.

Copyright in the typographical arrangement rests with High Speed Two (HS2) Limited.

This information is licensed under the Open Government Licence v3.0. To view this licence, visit www.nationalarchives.gov.uk/doc/open-government-licence/version/3 **OGL** or write to the Information Policy Team, The National Archives, Kew, London TW9 4DU, or e-mail: psi@nationalarchives.gsi.gov.uk. Where we have identified any third-party copyright information you will need to obtain permission from the copyright holders concerned.



Printed in Great Britain on paper containing at least 75% recycled fibre.

Contents

1 Introduction	2
-----------------------	----------

Tables

Table 1: Manchester Piccadilly Station (MA08) – Construction health assessment matrix	3
Table 2: Manchester Piccadilly Station (MA08) – Operational health assessment matrix	8

1 Introduction

- 1.1.1 This report presents assessment matrices that have been used to identify the health effects relating to the Manchester Piccadilly Station area (MA08).
- 1.1.2 This appendix should be read in conjunction with:
- Volume 2, Community Area reports;
 - Volume 3, Route-wide effects; and
 - Volume 5, Appendices.
- 1.1.3 The matrices in this appendix list the impacts on health determinants identified along the route of the Proposed Scheme and apply assessment criteria as set out in the Environmental Impact Assessment (EIA) Scope and Methodology Report (SMR) (see Volume 5: Appendix CT-001-00001) to evaluate the likely health effects arising from these impacts. The assessment matrices for the construction and operational phases of the Proposed Scheme are set out in Table 1 and Table 2 respectively.
- 1.1.4 Impacts that are categorised as having low intensity and a low extent of exposure are not considered to affect the health of the population. For such impacts, no health effects are reported. The last column of the tables indicate whether or not a health effect is reported, and in which volume of the Environmental Statement (ES) is discussed.
- 1.1.5 Commentary on the scientific evidence base used in the health assessment is presented in Volume 5, Appendix HA-002-00000.

Environmental Statement
 Volume 5: Appendix HA-001-0MA08
 Health
 MA08: Manchester Piccadilly Station
 Health assessment matrix

Table 1: Manchester Piccadilly Station (MA08) – Construction health assessment matrix

MA08 Manchester Piccadilly Station – Health effects during construction											
Communities	Impact description	Impact pathway	Temporary / permanent	Beneficial / adverse	Health determinant	Intensity of impact (low / moderate / high)	Extent of exposure (low / moderate / high)	Vulnerable groups	Health effects at population level	Mitigation	Reporting
Manchester Piccadilly Station	Construction activity at Manchester Piccadilly Station. Noise effects noticeable at residential properties on Chapeltown Street, Pollard Street, and Ducie Street. Noise effects also noticeable at residential properties in the vicinity of Old Mill Street in New Islington. Visual effects noticeable on streets and public realm. Some streets in the Manchester Piccadilly Station area are designated construction traffic routes. An increase in heavy goods vehicle (HGV) and construction traffic will affect Chapeltown Street, Pollard Street and Ducie Street.	Visual intrusion and changes to the noise environment a result of construction works and HGV traffic leading to reduced levels of satisfaction with the local environment.	Temporary (up to seven years and nine months)	Adverse	Neighbourhood quality	Low	Moderate	None identified	Adverse effects on physical and/or mental wellbeing, such as increased stress and reduced satisfaction with quality of life.	Incorporated mitigation as reported in the ES.	Volume 2
Manchester Piccadilly Station	Construction of the Piccadilly Approach viaduct will result in the demolition of Manchester Offenders: Diversion, Engagement and Liaison (MO:DEL, on Fairfield Street),	Demolition of building providing service, reducing access to service supporting health and wellbeing.	Permanent	Adverse	Access to services, health and social care	High	Moderate	Adults (20 – 64 years) and some adolescents	Adverse effects on physical and/or mental wellbeing due to reduced access to services.	None identified	Volume 2

Environmental Statement
Volume 5: Appendix HA-001-0MA08
Health
MA08: Manchester Piccadilly Station
Health assessment matrix

MA08 Manchester Piccadilly Station – Health effects during construction											
Communities	Impact description	Impact pathway	Temporary / permanent	Beneficial / adverse	Health determinant	Intensity of impact (low / moderate / high)	Extent of exposure (low / moderate / high)	Vulnerable groups	Health effects at population level	Mitigation	Reporting
	which provides support to adults with a history of offending.										
Manchester Piccadilly Station	Construction of the Piccadilly Approach viaduct will result in the demolition of Manchester Action on Street Health (MASH, on Fairfield Street), a charity providing support to vulnerable women.	Demolition of building providing service, reducing access to service supporting health and wellbeing.	Permanent	Adverse	Access to services, health and social care	High	Moderate	Adults and adolescents	Adverse effects on physical and/or mental wellbeing due to reduced access to services.	None identified	Volume 2
Manchester Piccadilly Station	Construction of the Piccadilly Approach viaduct will result in the demolition of the True Jesus Church (on St. Andrews Street).	Demolition of community facility reducing the beneficial health effects gained through social contact.	Permanent	Adverse	Access to services, health and social care	Moderate	Moderate	None identified	Adverse effects on the erosion of social networks resulting from demolition.	None identified	Volume 2
Manchester Piccadilly Station	Construction of the Piccadilly Approach viaduct will result in the demolition of Totem Gymnastics, a children's gymnastics club, in Aldow Enterprise Park.	Demolition of recreational facility affecting ability to participate in specific physical activity.	Permanent	Adverse	Access to green space, recreation and physical activity	Moderate	Moderate	Children and adolescents	Reductions in wellbeing benefits associated with physical activity.	None identified	Volume 2
Manchester Piccadilly Station	Construction of the Piccadilly Approach viaduct will result in the demolition of Cloud Aerial Arts, an acrobatic, gymnastics and yoga centre, in Aldow Enterprise Park.	Demolition of recreational facility affecting ability to participate in specific physical activity.	Permanent	Adverse	Access to green space, recreation and physical activity	Moderate	Moderate	None identified	Reductions in wellbeing benefits associated with physical activity.	None identified	Volume 2
Manchester Piccadilly Station	Construction of the Piccadilly Approach viaduct	Demolition of recreational facility affecting ability to	Permanent	Adverse	Access to green space, recreation	Moderate	Moderate	None identified	Reductions in wellbeing benefits	None identified	Volume 2

Environmental Statement
 Volume 5: Appendix HA-001-0MA08
 Health
 MA08: Manchester Piccadilly Station
 Health assessment matrix

MA08 Manchester Piccadilly Station – Health effects during construction											
Communities	Impact description	Impact pathway	Temporary / permanent	Beneficial / adverse	Health determinant	Intensity of impact (low / moderate / high)	Extent of exposure (low / moderate / high)	Vulnerable groups	Health effects at population level	Mitigation	Reporting
	will result in the demolition of CrossFit Ancoats, a specialised cross fit gym, in Aldow Enterprise Park.	participate in specific physical activity.			and physical activity				associated with physical activity.		
Manchester Piccadilly Station	Construction of the Piccadilly Station viaduct will require the permanent closure of Sheffield Street. This means that Straight Blast Gym (SBG) will become physically isolated and the road closure will affect the ability of staff and customers to access the premises, therefore affecting its ability to function.	Isolation of recreational facility affecting ability to participate in specific physical activity.	Permanent	Adverse	Access to green space, recreation and physical activity	Moderate	Moderate	None identified	Reductions in wellbeing benefits associated with physical activity.	None identified	Volume 2
Manchester Piccadilly Station	The Fairfield Street diversion and the permanent closure of North Western Street will mean that Frontline Fitness Performance Centre will become physically isolated without access and the road closure will affect the ability of staff and customers to access the premises, therefore affecting its ability to function.	Isolation of recreational facility affecting ability to participate in specific physical activity.	Permanent	Adverse	Access to green space, recreation and physical activity	Moderate	Moderate	None identified	Reductions in wellbeing benefits associated with physical activity.	None identified	Volume 2

Environmental Statement
Volume 5: Appendix HA-001-0MA08
Health
MA08: Manchester Piccadilly Station
Health assessment matrix

MA08 Manchester Piccadilly Station – Health effects during construction											
Communities	Impact description	Impact pathway	Temporary / permanent	Beneficial / adverse	Health determinant	Intensity of impact (low / moderate / high)	Extent of exposure (low / moderate / high)	Vulnerable groups	Health effects at population level	Mitigation	Reporting
Manchester Piccadilly Station	Vehicular access to Mancunian Boxing Club will be temporarily restricted while new access routes are established (likely between 1 and 3 days). Current access from Chancellors Lane and the A635 Mancunian Way will be permanently closed. New access routes will be established from Union Street. Pedestrian access will be maintained throughout construction.	Change of access to recreational facility affecting ability to participate in specific physical activity.	Temporary (up to 3 days)	Adverse	Access to green space, recreation and physical activity.	Low	Low	None identified	Reductions in wellbeing benefits associated with physical activity.	None identified	Not reported
Manchester Piccadilly Station	Construction of the Piccadilly Approach viaduct will result in the demolition of SOL Christian Academy (on Fairfield Street) an independent school and nursery.	Demolition of community facility reducing the beneficial health effects gained through educational attainment.	Permanent	Adverse	Education	Moderate	Moderate	Children (up to 10 years) and Adolescents (10-19 years)	Reduction in the beneficial wellbeing effects associated with educational attainment.	None identified	Volume 2
Manchester Piccadilly Station	Presence of construction workforce on worksites and at satellite compounds (Manchester Piccadilly High Speed station main compound and Manchester approach satellite compounds B, C and D).	Presence of workers in local communities including in local shops, restaurants and other facilities, leading to changes in levels of community cohesion and trust.	Temporary (up to eight years and three months)	Adverse	Social capital	Low	Low	None identified	Adverse effects on wellbeing associated with negative feelings about community cohesion and trust.	Incorporated mitigation as reported in the ES.	Volume 2

Environmental Statement
Volume 5: Appendix HA-001-0MA08
Health
MA08: Manchester Piccadilly Station
Health assessment matrix

MA08 Manchester Piccadilly Station – Health effects during construction											
Communities	Impact description	Impact pathway	Temporary / permanent	Beneficial / adverse	Health determinant	Intensity of impact (low / moderate / high)	Extent of exposure (low / moderate / high)	Vulnerable groups	Health effects at population level	Mitigation	Reporting
All areas	Presence of construction traffic, including HGV, on local roads.	Amenity impacts and safety concerns, deterring the use of local roads by non-motorised users.	Temporary	Adverse	Access to green space, recreation and physical activity	Low	Low	None identified	No health effects at population level.	Incorporated mitigation as reported in the ES.	Not reported
Route-wide	Presence of construction activities close to residential properties around Manchester Piccadilly Station.	Concern and uncertainty about impacts of construction on local environment and property values.	Temporary (throughout planning and construction)	Adverse	Planning blight and uncertainty	Low to high	High (route-wide)	None identified	Effects on mental wellbeing including reduced life satisfaction and increased stress.	Incorporated mitigation as reported in the ES.	Volume 3
Route-wide	Direct effects on businesses affecting business activities and employment.	Loss of employment and earnings for some business owners and employees.	Permanent	Adverse	Employment and income	Moderate to high	Moderate (route-wide)	People on low incomes, people with disabilities.	Effects on mental and physical wellbeing associated with loss of employment and earnings.	Incorporated mitigation as reported in the ES.	Volume 3
Route-wide	Presence of the construction works providing employment opportunities and demand for local goods and services.	Direct construction employment and training, employment within the supply chain, and benefits to local businesses through increased expenditure.	Temporary (throughout construction)	Beneficial	Employment and income	Moderate to high	High (route-wide)	Unemployed people and people on low incomes.	Beneficial effects on wellbeing associated with improved skills, employment status and income.	None identified	Volume 3
Route-wide	Increase in traffic flows and proportion of HGV on local road network.	Increased risk of road traffic accidents and fear of accidents.	Temporary	Adverse	Transport	Low to high	Moderate (route-wide)	Older people, children, people with disabilities.	Adverse effects on mental and physical wellbeing including stress and behavioural changes such as reductions in walking.	Incorporated mitigation as reported in the ES.	Volume 3
Route-wide	Presence of construction sites, vehicles and plant resulting in increased air emissions.	Increase in exposure of the population to dust, nitrogen oxides and particulates.	Temporary	Adverse	Air quality	Low	Low	Children, older people, people with existing respiratory health conditions.	No health effects at population level.	Incorporated mitigation as reported in the ES.	Not reported

Environmental Statement
 Volume 5: Appendix HA-001-0MA08
 Health
 MA08: Manchester Piccadilly Station
 Health assessment matrix

Table 2: Manchester Piccadilly Station (MA08) – Operational health assessment matrix

MA08 Manchester Piccadilly Station – Health effects during operation											
Communities	Impact description	Impact pathway	Temporary / permanent	Beneficial / adverse	Health determinant	Intensity of impact (low / moderate / high)	Extent of exposure (low / moderate / high)	Vulnerable groups	Health effects at population level	Mitigation	Reporting
Route-wide	Presence of operational station providing employment opportunities.	Direct operational employment and training.	Permanent	Beneficial	Employment and income	Moderate to high	Moderate (route-wide)	Unemployed people and people on low incomes.	Beneficial effects on wellbeing associated with improved skills, employment status and income.	None identified	Volume 3
Route-wide	Presence of operational HS2 Station at Manchester Piccadilly resulting in improved connectivity, business agglomeration and inward investment.	Increase in the availability and choice of employment, and increased wages.	Permanent	Beneficial	Employment and income	Low to high	High (route-wide)	Unemployed people and people on low incomes.	Beneficial effects on wellbeing associated with improved employment status and income.	None identified	Volume 3