

# **A46 Newark Bypass**

**TR010065/APP/6.3**

## **6.3 Environmental Statement**

### **Appendix 6.3 Assessment of Cultural Heritage Effects During Construction of the Scheme**

APFP Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and  
Procedure) Regulations 2009

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Planning Act 2008

**The Infrastructure Planning  
(Applications: Prescribed Forms  
and Procedure) Regulations 2009**

**A46 Newark Bypass**

Development Consent Order 202[x]

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**ENVIRONMENTAL STATEMENT**

**APPENDIX 6.3 ASSESSMENT OF CULTURAL HERITAGE EFFECTS  
DURING CONSTRUCTION OF THE SCHEME**

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<b>Author:</b>	A46 Newark Bypass Project Team, National Highways

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# 1 Assessment of cultural heritage effects during construction

- 1.1.1 The following impact assessment looks at the potential temporary and permanent construction impacts on key designated and non-designated heritage assets within the Scheme study area pre-mitigation. Key heritage assets are those assets which have been identified through assessment as having the potential to be affected by the Scheme. For assessing construction phase effects, the baseline year should be chosen to represent the conditions prior to construction starting. For the historic environment this includes direct physical impacts on heritage assets and archaeology during the construction phase and the physical presence of the Scheme, including what structures may look like in the landscape and changes arising to the setting of cultural heritage assets.
- 1.1.2 A gazetteer containing a detailed description of all heritage assets identified within the Scheme study area, alongside drawings showing the location of the assets are contained within Appendix A and B of Appendix 6.1 (Cultural Heritage Desk Based Assessment) (DBA) of the ES Appendices **(TR010065/APP/6.3)**. The assessment detailing which assets have been identified as key heritage assets, including an explanation for the decision is included in Appendix C of Appendix 6.1 (Cultural Heritage DBA) of the ES Appendices **(TR010065/APP/6.3)**.
- 1.1.3 The assessment of effects on key designated and non-designated heritage assets during construction of the Scheme prior to the inclusion of mitigation is outlined below in Table 1-1 and Table 1-2 below. In accordance with the Design Manual for Roads and Bridges (DMRB), those effects of Moderate to Very Large are considered to be significant. Key heritage assets predicted to be significantly affected by the construction of the Scheme are reported in Section 6.11 of Chapter 6 (Cultural Heritage) of the ES **(TR010065/APP/6.1)**.

**Table 1-1: Assessment of heritage effects on key designated heritage assets during construction of the Scheme**

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM001	Newark Castle	Scheduled Monument	<p><b>Temporary</b></p> <p>The asset is located approximately 340m to the south-east of land required for the construction of the Scheme. The existing setting of the asset will be altered by the temporary increase in noise and construction traffic from the Scheme. Views of the construction works will also be glimpsed from the asset. Even though the asset is already affected by noise and traffic, this will increase the level of noise and further reduce the ability to understand the asset's relationship with the wider townscape. This will have an adverse impact on the heritage value on the asset, as it will temporarily affect the ability to understand the historic interest and slightly detract from appreciating views from the asset.</p>	High	Minor Adverse	Slight Adverse
			<p><b>Permanent</b></p> <p>The asset will be located approximately 630m south-east of new road infrastructure, including a new grade separated junction at Cattle Market Roundabout. The new road infrastructure will slightly detract from appreciating views from the asset, which will have an adverse impact on the heritage value of the asset. However, road infrastructure already exists within the wider townscape and it will not alter the ability to understand the asset's relationship with the surrounding town.</p>		Minor Adverse	Slight Adverse

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM007	Civil War redoubt 550m south-east of Valley Farm	Scheduled Monument	<p><b>Temporary</b>  The asset is located immediately adjacent of land required for the construction of the Scheme. The existing setting will be altered by the temporary presence of construction machinery immediately adjacent to the asset. Even though the asset is already affected by noise and traffic, this will increase the level of noise and further reduce the ability to understand the asset's relationship with Newark's historic urban edge. This will have an adverse impact on the heritage value of the asset, as it will affect the ability to understand its historic interest.</p>	High	Negligible Adverse	Slight Adverse
			<p><b>Permanent</b>  The asset will be located approximately 60m north-east of new road infrastructure, including a new grade separated junction at Cattle Market Roundabout. This will have an adverse impact on the heritage value of the asset, as the new road infrastructure will reduce the ability to understand the asset's relationship with Newark's historic urban edge. However, road infrastructure already exists within the setting and the addition of new infrastructure will not alter the legibility of the setting.</p>		Negligible adverse	Slight Adverse

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM009	Civil War redoubt 680m north-west of Dairy Farm	Scheduled Monument	<p><b>Temporary</b>  The asset is located approximately 75m north-west of land required for the construction of the Scheme. The existing setting will be altered by the temporary presence of construction machinery. Even though the asset is already affected by noise and traffic, this will increase the level of noise and further reduce the ability to understand the asset's relationship with Newark's historic urban edge. This will have an adverse impact on the heritage value of the asset, as it will affect the ability to understand its historic interest.</p>	High	Negligible Adverse	Slight Adverse
			<p><b>Permanent</b>  The asset will be located approximately 165m north-west of new road infrastructure, including the widened and embanked A46. This will have an adverse impact on the heritage value of the asset, as the new road infrastructure will reduce the ability to appreciate the relationship with Newark's historic urban edge. However, existing vegetation close to the asset will be retained which provides a level of screening to the south already.</p>		Negligible adverse	Slight Adverse
MM012	Moated site 750m north-west of Dairy Farm	Scheduled Monument	<p><b>Temporary</b>  The asset is located approximately 95m north-west of land required for the construction of the Scheme. The existing setting will be altered by the temporary presence of construction machinery. Even though the asset is already affected by noise and traffic, this will increase the level of noise and further reduce the ability to understand the asset's relationship with Newark's historic urban edge. This will have an adverse impact on the heritage value of the asset, as it will affect the ability to understand its historic interest.</p>	High	No Change	No Change

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			<p><b>Permanent</b>  The asset will be located approximately 165m north-west of new road infrastructure, including the widened and embanked A46. This will have an adverse impact on the heritage value of the asset, as the new road infrastructure will reduce the ability to appreciate the relationship with Newark's historic urban edge. However, existing vegetation close to the asset will be retained which provides a level of screening to the south already.</p>		Negligible adverse	Slight Adverse
MM018	Kelham Hall	Grade I Listed Building	<p><b>Temporary</b>  The asset is located approximately 250m north-east of land required for the Kelham and Averham flood compensation area. The existing setting will be altered by the temporary presence of construction machinery. This will have an adverse impact on the heritage value of the asset, as it will temporarily affect the ability to appreciate the rural setting.</p>	High	Negligible Adverse	Slight Adverse
			<p><b>Permanent</b>  The asset will be located approximately 250m north-east of the Kelham and Averham flood compensation area, including the addition of earthworks. This will adversely impact on the heritage value of the asset as it will affect the ability to appreciate the rural setting. However, existing vegetation close to the asset already provides a level of screening and the agricultural use of the flood compensation area will be retained.</p>		Negligible adverse	Slight Adverse



MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM019	Church of St Michael, Averham	Grade I Listed Building	<b>Temporary</b> The asset is located approximately 410m south-east of land required for the Kelham and Averham flood compensation area. The asset is screened by intervening buildings and vegetation. Therefore no impact on the heritage value of the asset is anticipated.	High	No Change	Neutral
			<b>Permanent</b> The asset will be located approximately 410m south-east of the Kelham and Averham flood compensation area. The asset is screened by intervening buildings and vegetation. Therefore no impact on the heritage value of the asset is anticipated.		No change	Neutral
MM020	Remains of Newark Castle	Grade I Listed Building	<b>Temporary</b> The asset is located approximately 340m to the south-east of land required for the construction of the Scheme. The existing setting of the asset will be altered by the temporary increase in noise and construction traffic from the Scheme. Views of the construction works will also be glimpsed from the asset. Even though the asset is already affected by noise and traffic, this will increase the level of noise and further reduce the ability to understand the asset's relationship with the wider townscape. This will have an adverse impact on the heritage value on the asset, as it will temporarily affect the ability to understand the historic interest and slightly detract from appreciating views from the asset.	High	Minor Adverse	Slight Adverse

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			<p><b>Permanent</b>  The asset will be located approximately 630m south-east of new road infrastructure, including a new grade separated junction at Cattle Market Roundabout. The new road infrastructure will slightly detract from appreciating views from the asset, which will have an adverse impact on the heritage value of the asset. However, road infrastructure already exists within the wider townscape and it will not alter the ability to understand the asset's relationship with the surrounding town.</p>		Minor Adverse	Slight Adverse
MM024	Church of St Wilfrid, Kelham	Grade I Listed Building	<p><b>Temporary</b>  The asset lies approximately 120m to the north of land required for the Kelham and Averham flood compensation area. The existing agricultural landscape will be altered by the temporary presence of construction machinery, which will reduce the ability to appreciate the tranquil setting around the asset. This will have an adverse impact on the heritage value of the asset.</p>	High	Minor Adverse	Slight Adverse
			<p><b>Permanent</b>  The asset will be located approximately 120m north of the Kelham and Averham flood compensation area. The asset is well screened by intervening vegetation and the flood compensation area will continue to be used as agricultural land. This will help maintain the legibility of the asset's setting and will not adversely impact on its value.</p>		Minor Adverse	Slight Adverse

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM025	Gazebo and garden wall at Kelham Hall	Grade II* Listed Building	<b>Temporary</b> The asset lies approximately 295m north of land required for the Kelham and Averham flood compensation area. The asset is screened by intervening vegetation and the presence of construction machinery will not reduce the ability to appreciate the relationship with Kelham Hall. Therefore no impact on the heritage value of the asset is anticipated.	High	No change	Neutral
			<b>Permanent</b> The asset will be located approximately 295m north of the Kelham and Averham flood compensation area. The asset is well screened by intervening vegetation and the relationship with Kelham Hall will be maintained. Therefore the asset's heritage value will not be adversely impacted.		No change	Neutral
MM026	Langford Hall	Grade II* Listed Building	<b>Temporary</b> The asset lies approximately 45m north of land required for the construction of the Scheme. This includes the construction of a new access road for the asset. The existing setting will be altered by the presence of construction machinery within the woodland boundary and agricultural fields to the south of the asset. This will reduce the ability to appreciate the historic interest and result in an adverse impact on the heritage value of the asset.	High	Moderate Adverse	Large Adverse
			<b>Permanent</b> The asset will be located approximately 45m north of a new access road. The new access road will be constructed within the woodland boundary and replace the existing driveway, which forms the original access to the asset. This will remove the historic connection to the lodge and reduce the legibility of the historic parkland setting. This will		Moderate Adverse	Moderate Adverse

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			result in an adverse impact on the heritage value of the asset.			
MM030	Kiln Warehouse	Grade II* Listed Building	<b>Temporary</b> The asset lies immediately adjacent to Mather Lane, which will be used as temporary access for construction of the temporary bridge associated with the Scheme. The existing setting of the asset will be altered by the temporary increase in noise and construction traffic from the Scheme. The asset is already affected by noise and traffic, therefore this will not affect the ability to appreciate the townscape setting of the asset and the relationship with the river. Therefore the asset's heritage value will not be adversely impacted.	High	Minor Adverse	Slight Adverse
			<b>Permanent</b> The asset will be located approximately 350m south of new road infrastructure, including a raised embankment carrying the A46. However, road infrastructure already exists within the wider townscape and it will not alter the ability to understand the asset's relationship with the surrounding town. Therefore there will be no adverse impact on the heritage value of the asset.		No change	Neutral
MM038	Concrete Footbridge across River Trent	Grade II* Listed Building	<b>Temporary</b> The asset lies within land required for the construction of the Scheme. The presence of construction compounds, temporary gantry bridge and machinery within the vicinity of the asset, may give rise to potential vibration issues and could affect the structural integrity of the asset. This is in addition to impacts of noise, dust, light, movement etc. The asset will also be closed during construction and will not be accessible.	High	Moderate Adverse	Moderate Adverse

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			Cumulatively, these impacts will have an adverse effect on the heritage value of the asset.			
			<b>Permanent</b> The asset will be located approximately 75m east of new road infrastructure, including a raised embankment carrying the A46. However, the new infrastructure will not affect the legibility of the asset's relationship with the river, which already encompasses the presence of the existing flyover. Therefore, there will be no additional adverse impact on the heritage value of the asset.		No change	Neutral
MM039	Winthorpe Bridge carrying Bypass over River Trent	Grade II* Listed Building	<b>Temporary</b> The asset lies approximately 210m west of land required for the Brownhills flood compensation area. The presence of construction machinery within this area will not affect the ability to understand and appreciate the architectural interest. Therefore the asset's heritage value will not be adversely impacted.	High	No change	Neutral
			<b>Permanent</b> The asset will be located approximately 210m from the Brownhills flood compensation area., which will not affect the ability to understand and appreciate the architectural interest. Therefore the asset's heritage value will not be adversely impacted.		No change	Neutral
MM043	Former Monastic buildings adjoining Kelham Hall	Grade II Listed Building	<b>Temporary</b> The asset lies approximately 290m north of land required for the Kelham and Averham flood compensation area. The asset is screened by intervening vegetation. Therefore no impact on the heritage value of the asset is anticipated.	High	No change	Neutral

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			<p><b>Permanent</b>  The asset will be located approximately 290m north of the Kelham and Averham flood compensation area. The asset is screened by intervening vegetation. Therefore no impact on the heritage value of the asset is anticipated.</p>		No change	Neutral
MM045	Garden boundary wall at Kelham Hall	Grade II Listed Building	<p><b>Temporary</b>  The asset lies immediately adjacent to land required for the Kelham and Averham flood compensation area. The presence of construction machinery within the immediate vicinity of the asset, will give rise to potential vibration issues and could affect the structural integrity of the asset. This will have an adverse impact on the heritage value of the asset.</p>	High	Minor Adverse	Slight Adverse
			<p><b>Permanent</b>  The asset will be located immediately adjacent to the Kelham and Averham flood compensation area. The flood compensation area will continue to be used as agricultural land. This will help maintain the legibility of the asset's setting and will not adversely impact on its value.</p>		No change	Neutral
MM049	Kelham Bridge	Grade II Listed Building	<p><b>Temporary</b>  The asset lies approximately 420m north of land required for the Kelham and Averham flood compensation area. The asset is screened by intervening vegetation. Therefore no impact on the heritage value of the asset is anticipated.</p>	High	No Change	Neutral
			<p><b>Permanent</b>  The asset will be located approximately 420m north of the Kelham and Averham flood compensation area. The asset is screened by intervening vegetation. Therefore no impact on the heritage value of the asset is anticipated.</p>		No change	Neutral

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM052	Conservatory at The Grove	Grade II Listed Building	<b>Temporary</b> The asset lies approximately 85m north of land required for the construction of the Scheme. The asset is already affected by noise and traffic, due to the presence of the A1, approximately 130m to the south-west. However, the presence of construction machinery close to the asset will increase the level of noise and affect the ability to appreciate the private garden setting of the asset. This will adversely impact on the heritage value of the asset.	High	Minor Adverse	Slight Adverse
			<b>Permanent</b> The asset will be located approximately 220m north-east of new road infrastructure, including a new flyover carrying the A46 over the A1. The asset is well screened by intervening vegetation. Therefore no impact on the heritage value of the asset is anticipated.		No change	Neutral
MM053	Lowwood	Grade II Listed Building	<b>Temporary</b> The asset lies approximately 35m north of land required for the construction of the Scheme. The asset is already affected by noise and traffic, due to the presence of the A1, approximately 175m to the south-west. However, the presence of construction machinery close to the asset will increase the level of noise and affect the ability to appreciate the private garden setting of the asset. This will adversely impact on the heritage value of the asset.	High	Moderate Adverse	Moderate Adverse
			<b>Permanent</b> The asset will be located approximately 200m north-east of new road infrastructure, including a new flyover carrying the A46 over the A1. The presence of new infrastructure within glimpse views from the asset, will affect the ability to appreciate		Moderate Adverse	Moderate Adverse

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			the private garden setting. This will adversely impact on the heritage value of the asset.			
MM059	Coach House, to the west of The Stables, at Langford Hall	Grade II Listed Building	<b>Temporary</b> The asset lies approximately 180m north of land required for the construction of the Scheme. The existing setting will be altered by the presence of construction machinery within the woodland boundary and agricultural fields to the south of the asset, but will not reduce the ability to understand the asset's relationship with Langford Hall, from which it derives some significance.	High	Negligible Adverse	Slight Adverse
			<b>Permanent</b> The asset will be located approximately 180m north of a new access road to Langford Hall. The presence of new infrastructure will not reduce the ability to appreciate the asset's relationship with Langford Hall. Therefore there will be no adverse impact on the heritage value of the asset.		No change	Neutral
MM061	Stables, to the west of Langford Hall	Grade II Listed Building	<b>Temporary</b> The asset lies approximately 190m north of land required for the construction of the Scheme. The existing setting will be altered by the presence of construction machinery within the woodland boundary and agricultural fields to the south of the asset but will not affect the asset's relationship with Langford Hall, from which it derives some significance.	High	Negligible Adverse	Slight Adverse



MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			<p><b>Permanent</b>  The asset will be located approximately 190m north of a new access road to Langford Hall. The presence of new infrastructure will not reduce the ability to appreciate the asset's relationship with Langford Hall. Therefore there will be no adverse impact on the heritage value of the asset.</p>		No change	Neutral
MM062	The Grove	Grade II Listed Building	<p><b>Temporary</b>  The asset lies approximately 110m north of land required for the construction of the Scheme. The asset is already affected by noise and traffic, due to the presence of the A1, approximately 130m to the south-west and the presence of construction machinery close to the asset and associated noise, dust, light and movement, may intrude into the setting of the asset. However, the asset is particularly secluded and well screened. Therefore, the adverse impact of temporary construction elements are not considered as significant.</p>	High	Negligible Adverse	Slight Adverse
			<p>The asset will be located approximately 220m north-east of new road infrastructure, including a new flyover carrying the A46 over the A1. This may introduce light pollution within the vicinity of the asset, affecting the ability to appreciate the private garden setting. This will impact on the heritage value of the asset. However, the asset is particularly secluded and well screened by intervening vegetation and permanent construction impacts are not considered as significant.</p>		Negligible Adverse	Slight Adverse

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM063	Church of All Saints, Winthorpe	Grade II Listed Building	<p><b>Temporary</b>  The asset lies approximately 135m north-east of land required for the Scheme. The asset is already affected by noise and traffic, due to the presence of the A1, approximately 150m to the south-west. However, the presence of construction machinery close to the asset will increase the level of noise and affect the ability to appreciate the quiet churchyard setting of the asset. This will adversely impact on the heritage value of the asset.</p>	High	Moderate Adverse	Moderate Adverse
			<p><b>Permanent</b>  The asset will be located 350m north-west of new road infrastructure, including a new flyover carrying the A46 over the A1. Glimpsed views of the new infrastructure may be experienced from the asset. This will adversely impact on the heritage value of the asset, although the asset is well screened by intervening vegetation and there is road infrastructure already to the south.</p>		Minor Adverse	Slight Adverse
MM065	Seven garden urns at Kelham Hall	Grade II Listed Building	<p><b>Temporary</b>  The asset lies approximately 225m north of land required for the Kelham and Averham flood compensation area. The asset is screened by intervening vegetation and the presence of construction machinery will not reduce the ability to appreciate the relationship with Kelham Hall. Therefore no impact on the heritage value of the asset is anticipated.</p>	High	No change	Neutral

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			<p><b>Permanent</b>  The asset will be located approximately 225m north of the Kelham and Averham flood compensation area. The asset is well screened by intervening vegetation and the relationship with Kelham Hall will be maintained. Therefore the asset's heritage value will not be adversely impacted.</p>		No change	Neutral
MM068	Thirty-six railing piers at Kelham Hall	Grade II Listed Building	<p><b>Temporary</b>  The asset lies approximately 410m north of land required for the Kelham and Averham flood compensation area. The asset is screened by intervening vegetation and the presence of construction machinery will not reduce the ability to appreciate the relationship with Kelham Hall. Therefore no impact on the heritage value of the asset is anticipated.</p>	High	No change	Neutral
			<p><b>Permanent</b>  The asset will be located approximately 410m north of the Kelham and Averham flood compensation area. The asset is well screened by intervening vegetation and the relationship with Kelham Hall will be maintained. Therefore the asset's heritage value will not be adversely impacted.</p>		No change	Neutral
MM139	Farndon Windmill	Grade II Listed Building	<p><b>Temporary</b>  The asset lies approximately 10m from land required for the construction of the Proposed Scheme. The presence of construction machinery within close proximity of the asset will give rise to potential vibration issues and could affect the structural integrity of the asset, in addition to noise, dust, movement and light. This will adversely impact on the heritage value of the asset.</p>	High	Moderate Adverse	Large Adverse

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			<p><b>Permanent</b>  In the context of the existing flyover, the new section of flyover will not result in a cumulative impact on setting that would further detract from the significance of the mill. However, the creation of floodplain compensation areas will alter the agricultural landscape of the mill and slightly reduce the contribution setting makes to the significance of the mill.</p>		Minor Adverse	Slight Adverse
MM141	Causeway Arches 650m north-west of Level Crossing	Grade II Listed Building	<p><b>Temporary</b>  This asset is located within the Order Limits of the Scheme. The presence of construction machinery within close proximity of the asset will give rise to impacts of noise, dust, light, movement, etc. This will adversely impact on the heritage value of the asset.</p>	High	Moderate Adverse	Moderate Adverse
			<p><b>Permanent</b>  The asset will be located approximately 170m north of a new grade separated junction at Cattle Market roundabout. The presence of the flyover at Cattle Market Roundabout and the realignment of the Causeway Arches (MM228) and road coming off the roundabout, will result in an alteration to the linear form of this asset and alter the setting of adjacent sections. This will result in an adverse impact on the asset's heritage value.</p>		Moderate Adverse	Large Adverse

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM142	The Clock Tower	Grade II Listed Building	<p><b>Temporary</b>  The asset lies immediately adjacent to Mather Lane, which will be used as temporary access for construction of the temporary bridge associated with the Scheme. The existing setting of the asset will be altered by the temporary increase in noise and construction traffic from the Scheme. The asset is already affected by noise and traffic, therefore this will not affect the ability to appreciate the townscape setting of the asset. Therefore the asset's heritage value will not be adversely impacted.</p>	High	Minor Adverse	Slight Adverse
			<p><b>Permanent</b>  The asset will be located approximately 350m south of new road infrastructure, including a raised embankment carrying the A46. However, road infrastructure already exists within the wider townscape and it will not alter the ability to understand the asset's relationship with the surrounding town. Therefore there will be no adverse impact on the heritage value of the asset.</p>		No change	Neutral
MM226	Castle Railway Station	Grade II Listed Building	<p><b>Temporary</b>  The asset lies approximately 90m south-east of land required for the Scheme. The asset already lies within a busy townscape setting and the presence of the main construction compound will not affect the ability to appreciate the historic interest of the asset. Therefore the asset's heritage value will not be adversely impacted.</p>	High	Minor Adverse	Slight Adverse

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			<p><b>Permanent</b>  The asset will be located approximately 380m south of new road infrastructure, including a grade separated junction and raised embankment at Cattle Market roundabout. Glimpsed views of the new infrastructure will be experienced from the asset. However, road infrastructure already exists within the wider townscape and it will not alter the ability to understand the asset's relationship with the surrounding town. Therefore there will be no adverse impact on the heritage value of the asset.</p>		No change	Neutral
MM227	Former Station Master's House at Castle Station	Grade II Listed Building	<p><b>Temporary</b>  The asset lies approximately 90m south-east of land required for the Scheme. The asset already lies within a busy townscape setting and the presence of the main construction compound will not affect the ability to appreciate the historic interest of the asset. Therefore the asset's heritage value will not be adversely impacted.</p>	High	Minor Adverse	Slight Adverse
			<p><b>Permanent</b>  The asset will be located approximately 380m south of new road infrastructure, including a grade separated junction and raised embankment at Cattle Market roundabout. Glimpsed views of the new infrastructure will be experienced from the asset. However, road infrastructure already exists within the wider townscape and it will not alter the ability to understand the asset's relationship with the surrounding town. Therefore there will be no adverse impact on the heritage value of the asset.</p>		No change	Neutral

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM228	Causeway Arches 500m north-west of Level Crossing	Grade II Listed Building	<b>Temporary</b> The asset lies within land required for the construction of the Scheme. It is proposed to demolish part of the asset, dating from 1922, and the presence of construction machinery within the immediate vicinity of the asset, will give rise to potential vibration issues and could affect the structural integrity of the asset. This will adversely impact on the value of the asset.	High	Moderate Adverse	Large Adverse
			<b>Permanent</b> The asset will be located within the Scheme. The demolition of part of the asset and widening of the road will reduce the ability to appreciate the historic interest of the linear structure. This will adversely impact on the heritage value of the asset.		Moderate Adverse	Large Adverse
MM230	Causeway Arches and Embankment Walling 50m north-west of Trent Bridge	Grade II Listed Building	<b>Temporary</b> The asset lies within land required for the construction of the Scheme. The asset already experiences traffic as it forms part of the existing road infrastructure. The presence of construction machinery and additional traffic within the immediate vicinity of the asset, is not expected to affect the ability to appreciate the historic interest. Therefore the asset's heritage value will not be adversely impacted.	High	No change	Neutral
			<b>Permanent</b> No change is predicted because the asset lies at a distance from the new road infrastructure.		No change	Neutral

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM231	Causeway Culvert 135m north-west of Level Crossing	Grade II Listed Building	<b>Temporary</b> The asset lies within land required for the construction of the Scheme. The asset already experiences traffic as it forms part of the existing road infrastructure. The presence of construction machinery and additional traffic within the immediate vicinity of the asset, is not expected to affect the ability to appreciate the historic interest. Therefore the asset's heritage value will not be adversely impacted.	High	No Change	Neutral
			<b>Permanent</b> No change is predicted because the asset lies at a distance from the new road infrastructure.		No Change	Neutral
MM232	Goods Warehouse 150m north-east of Castle Station	Grade II Listed Building	<b>Temporary</b> The asset lies approximately 55m north-west of Mather Lane which will be used as temporary access for construction of the temporary bridge associated with the Scheme. The asset already lies within a busy townscape setting and the temporary increase in construction traffic and noise will not affect the ability to appreciate the historic interest of the asset. Therefore the asset's heritage value will not be adversely impacted.	High	Minor Adverse	Slight Adverse
			<b>Permanent</b> The asset will be located approximately 200m south of the new A46 road embankment. Glimpsed views of the new infrastructure will be experienced from the asset. However, road infrastructure already exists within the wider townscape and it will not alter the ability to understand the asset's relationship with the surrounding town. Therefore there will be no adverse impact on the heritage value of the asset.		No Change	Neutral



MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM233	North Malt Warehouse	Grade II Listed Building	<b>Temporary</b> The asset lies immediately adjacent to Mather Lane, which will be used as temporary access for construction of the temporary bridge associated with the Scheme. The existing setting of the asset will be altered by the temporary increase in noise and construction traffic from the Scheme. The asset is already affected by noise and traffic, therefore this will not affect the ability to appreciate the townscape setting of the asset and relationship with the river. Therefore the asset's heritage value will not be adversely impacted.	High	Minor Adverse	Slight Adverse
			<b>Permanent</b> The asset will be located approximately 250m south of new road infrastructure, including a raised embankment carrying the A46. However, road infrastructure already exists within the wider townscape and it will not alter the ability to understand the asset's relationship with the surrounding town. Therefore there will be no adverse impact on the heritage value of the asset.		No change	Neutral
MM332	Trent Bridge	Grade II Listed Building	<b>Temporary</b> The asset lies approximately 80m from Mather Lane, which will be used as temporary access for construction of the temporary bridge associated with the Scheme. The existing setting of the asset will be altered by the temporary increase in noise and construction traffic from the Scheme. However, the asset is already affected by noise and traffic, therefore this will not affect the ability to appreciate the relationship with the river. Therefore the asset's heritage value will not be adversely impacted.	High	No change	Neutral
			<b>Permanent</b>		No change	Neutral

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			No change is predicted because the asset lies at a distance from the new road infrastructure.			
MM387	The Firs	Grade II Listed Building	<b>Temporary</b> The asset lies approximately 120m east of land required for the construction of the Scheme. The presence of construction machinery close to the asset will increase the level of noise and affect the ability to appreciate the private garden setting of the asset. This will adversely impact on the heritage value of the asset.	High	Minor Adverse	Slight Adverse
			<b>Permanent</b> The asset will be located approximately 120m east of an additional carriageway along the A46. Road infrastructure already exists within the wider setting and there are intervening buildings between the asset and the new infrastructure. The vegetation screening on the east side of the A46 will also be retained. Therefore there will be no adverse impact on the heritage value of the asset.		Negligible Adverse	Slight Adverse
MM389	Causeway Culvert 420m north-west of Level Crossing	Grade II Listed Building	<b>Temporary</b> The asset lies within land required for the construction of the Scheme. The asset already experiences traffic as it forms part of the existing road infrastructure. The presence of construction machinery and additional traffic within the immediate vicinity of the asset, is not expected to affect the ability to appreciate the historic interest. Therefore the asset's heritage value will not be adversely impacted.	High	No Change	Neutral

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			<p><b>Permanent</b>  The asset lies within the widened A616 to the south of the new grade separated junction at Cattle Market roundabout. The culvert will retain its original function. Therefore the asset's heritage value will not be adversely impacted.</p>		No change	Neutral
MM427	Newark Castle Gardens	Grade II Listed Building	<p><b>Temporary</b>  The asset is located approximately 340m to the south-east of land required for the construction of the Scheme. The existing setting of the asset will be altered by the temporary increase in noise and construction traffic from the Scheme. Views of the construction works will also be glimpsed from the asset. Even though the asset is already affected by noise and traffic, this will increase the level of noise although this will not reduce the ability to understand the asset's relationship with the Castle. Therefore there will be no impact on the heritage value of the asset.</p>	High	No change	Neutral
			<p><b>Permanent</b>  The asset will be located approximately 630m south-east of new road infrastructure, including a new grade separated junction at Cattle Market Roundabout. Road infrastructure already exists within the wider townscape and it will not alter the ability to understand the asset's relationship with the Castle. Therefore there will be no impact on the heritage value of the asset.</p>		No change	Neutral
MM428	Averham Conservation Area	Conservation Area	<p><b>Temporary</b>  The asset is located approximately 30m south-east of land required for the construction of the Kelham and Averham flood compensation area. The temporary presence of construction machinery</p>	Medium	Minor Adverse	Slight Adverse

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			<p>within agricultural fields to the north-west, will affect the ability to appreciate the rural setting of the asset. This will adversely impact on the heritage value of the asset.</p> <p><b>Permanent</b>  The asset will be located approximately 30m south-east of the Kelham and Averham flood compensation area. This will involve the construction of a boundary fence and earthworks to the north of the asset. This will affect the relationship between the asset and the agricultural setting and adversely impact on the heritage value. However, the flood compensation area will continue to be used as agricultural land, which will help maintain the legibility of the asset's setting.</p>			
					Negligible Adverse	Slight Adverse
MM429	Farndon Conservation Area	Conservation Area	<p><b>Temporary</b>  The asset is located approximately 380m south-west of land required for the construction of the Scheme. The asset is screened by intervening buildings. Therefore the heritage value of the asset will not be adversely impacted.</p> <p><b>Permanent</b>  The asset will be located approximately 400m south-west of new road infrastructure, including the widened A46 carriageway. The asset lies at some distance from the new infrastructure, therefore there will be no adverse impact on the heritage value.</p>	Medium	Negligible Adverse	Slight Adverse
					No change	Neutral

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM430	Kelham Conservation Area	Conservation Area	<b>Temporary</b> The asset is located within land required for the construction of the Kelham and Averham flood compensation area. The temporary presence of construction machinery within the agricultural fields within the asset, and to the south, will affect the ability to appreciate the rural setting. This will adversely impact on the heritage value of the asset.	High	Minor Adverse	Slight Adverse
			<b>Permanent</b> The asset will be located within the Kelham and Averham flood compensation area. The level of the agricultural fields will be reduced by 0.6m. This will have an adverse impact on the heritage value of the asset. However, the flood compensation area will continue to be used agriculturally. This will not affect the ability to appreciate the rural setting of the asset.		Negligible Adverse	Slight Adverse
MM431	Newark Conservation Area	Conservation Area	<b>Temporary</b> The asset is located within land required for the construction of the Scheme. The asset will experience a temporary increase in noise and construction traffic associated with the Scheme. This will temporarily affect the ability to appreciate the relationship with the River Trent and adversely impact on the heritage value of the asset.	High	Minor Adverse	Slight Adverse
			<b>Permanent</b> The asset will be located immediately adjacent to new road infrastructure, including the widened A46 embankment. Glimpse views of the new infrastructure will be experienced from the river frontage. This will have an adverse impact on the heritage value of the asset. However, road infrastructure already forms part of the asset.		Minor Adverse	Slight Adverse

MM No.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM432	Winthorpe Conservation Area	Conservation Area	<p><b>Temporary</b>  The asset lies immediately adjacent to land required for the Scheme. The asset is already affected by noise and traffic, due to the presence of the A1, immediately adjacent and the A46. However, the presence of construction machinery close to the asset will increase the level of noise and affect the ability to appreciate the agricultural setting of the asset. This will adversely impact on the heritage value of the asset.</p>	High	Moderate Adverse	Large Adverse
			<p><b>Permanent</b>  The asset will be located immediately adjacent to new infrastructure, including the new A46 flyover over the A1. There is already road infrastructure within the setting of the asset, however, the introduction of new infrastructure and land take will reduce the quality and amenity of this parcel land and further reduce the ability to appreciate the agricultural setting. This will have an adverse impact on the heritage value of the asset.</p>		Moderate Adverse	Moderate Adverse

**Table 1-2: Assessment of heritage effects on key non-designated heritage assets during construction of the Scheme**

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM502	Mesolithic - Late Neolithic Site at Farndon	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as it has been previously removed.	Medium	No change	Neutral
			<b>Permanent</b> Below ground archaeological remains associated with the asset were removed in this location by previous road improvement works. Therefore there will be no adverse impact on the heritage value of this asset.		No change	Neutral
MM503	Palaeolithic Site at Farndon	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	High	No change	Neutral
			<b>Permanent</b> This asset is located outside the Order Limits of the Scheme and no impacts on the asset are anticipated.		No change	Neutral
MM505	Neolithic / early Bronze Age settlement at Langford	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as it has been previously removed.	Medium	No change	Neutral
			<b>Permanent</b> Below ground archaeological remains associated with the asset were removed in this location by previous road improvement works. Therefore there will be no adverse impact on the heritage value of this asset.		No change	Neutral
MM506	IA or Romano-British Settlement at Farndon	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as it has been previously removed.	Medium	No change	Neutral

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			<b>Permanent</b> Below ground archaeological remains associated with the asset were removed in this location by previous road improvement works. Therefore there will be no adverse impact on the heritage value of this asset.		No change	Neutral
MM507	Roman agger, Fosse Way, Langford	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as it has been previously removed.	Low	No change	Neutral
			<b>Permanent</b> Below ground archaeological remains associated with the asset were removed in this location by previous road improvement works. Therefore there will be no adverse impact on the heritage value of this asset.		No change	Neutral
MM541	Settlement at Winthorpe	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as it will be preserved in situ.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. There will be no physical impact as the asset will be preserved in situ. Therefore there will be no adverse impact on the heritage value of this asset.		No change	Neutral
MM559	Medieval Road at Newark	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Low	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be partially removed		Minor Adverse	Slight Adverse



MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			during construction works at the Cattle Market roundabout. However, the remains are likely to have been truncated by previous road construction. This will have an adverse impact on the heritage value on the asset.			
MM602	Well at Newark	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as it has been previously removed.	Low	No change	Neutral
			<b>Permanent</b> Below ground archaeological remains associated with the asset were removed in this location by previous road improvement works. Therefore there will be no adverse impact on the heritage value of this asset.		No change	Neutral
MM624	Second Line of Circumvallation at Newark	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be partially removed during construction works at Farndon Roundabout. However, the remains are likely to have been truncated by previous road construction. This will have an adverse impact on the heritage value on the asset.		Minor Adverse	Slight Adverse
MM633	Well At Averham	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Low	No change	Neutral
			<b>Permanent</b> The asset is located within land required for the construction of the Kelham and Averham FCA.		Major Adverse	Slight Adverse

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			Below ground archaeological remains associated with the asset will be removed during construction works. This will have an adverse impact on the heritage value on the asset.			
MM642	Well At Newark	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Low	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed during construction of the temporary access track for the underpass construction satellite compound. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Slight Adverse
MM648	Civil War Dam At Newark	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as it will be preserved in-situ.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. There will be no physical impact as the asset will be preserved in situ. Therefore there will be no adverse impact on the heritage value of this asset.		No change	Neutral
MM655	Moll's Hornwork At Winthorpe	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as it has been previously removed.	Medium	No change	Neutral
			<b>Permanent</b> Below ground archaeological remains associated with the asset were removed in this location by previous road improvement works. Therefore there will be no adverse impact on the heritage value of this asset.		No change	Neutral

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM660	First Line Of Circumvallation At Newark	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed during construction works at Farndon Roundabout and Brownhills Junction. However, the remains are likely to have been truncated by previous road construction. This will have an adverse impact on the heritage value on the asset.		Minor Adverse	Slight Adverse
MM661	Civil War Redoubt At Newark	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as it has been previously removed.	Medium	No change	Neutral
			<b>Permanent</b> Below ground archaeological remains associated with the asset were removed in this location by previous road improvement works. Therefore there will be no adverse impact on the heritage value of this asset.		No change	Neutral
MM662	Supposed Site Of Redoubt At Newark	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as it has been previously removed.	Low	No change	Neutral
			<b>Permanent</b> Below ground archaeological remains associated with the asset were removed in this location by previous road improvement works. Therefore there will be no adverse impact on the heritage value of this asset.		No change	Neutral

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM674	Clapper Gate 5	Non-designated.	<b>Temporary</b> This asset is located within the Order Limits of the Scheme. The diversion of an associated footpath will temporarily reduce the ability to appreciate the historic interest of the asset. The presence of construction machinery within the vicinity of the asset may give rise to vibration issues, which may affect the structural integrity of the asset. This will have an adverse impact on the heritage value of the asset.	Low	Negligible Adverse	Slight Adverse
			<b>Permanent</b> The asset will be located approximately 320m west of the widened bridge carrying the A46 over the River Trent. The addition of new road infrastructure will not alter the ability to appreciate the asset's relationship with the river. Therefore there will be no adverse impact on the asset's heritage value.		No change	Neutral
MM675	Clapper Gate 6	Non-designated.	<b>Temporary</b> This asset is located within the Order Limits of the Scheme. The diversion of an associated footpath will temporarily reduce the ability to appreciate the historic interest of the asset. The presence of construction machinery within the vicinity of the asset may give rise to vibration issues, which may affect the structural integrity of the asset. This will have an adverse impact on the heritage value of the asset.	Low	Negligible Adverse	Slight Adverse
			<b>Permanent</b> The asset will be located approximately 160m west of the widened bridge carrying the A46 over the River Trent. The addition of new road infrastructure will not alter the ability to appreciate the asset's		No change	Neutral

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			relationship with the river. Therefore there will be no adverse impact on the asset's heritage value.			
MM678	Clapper Gate 9	Non-designated.	<b>Temporary</b> This asset is located within the Order Limits of the Scheme. The diversion of an associated footpath will temporarily reduce the ability to appreciate the historic interest of the asset. The presence of construction machinery within the vicinity of the asset may give rise to vibration issues, which may affect the structural integrity of the asset. This will have an adverse impact on the heritage value of the asset.	Low	Negligible Adverse	Slight Adverse
			<b>Permanent</b> The asset will be located approximately 160m south-east of the widened A46. Road infrastructure already forms part of the setting and the presence of an additional carriageway will not alter the ability to appreciate the asset's relationship with the river. Therefore there will be no adverse impact on the asset's heritage value.		No change	Neutral
MM679	Clapper Gate 10	Non-designated.	<b>Temporary</b> This asset is located within the Order Limits of the Scheme. The diversion of an associated footpath will temporarily reduce the ability to appreciate the historic interest of the asset. The presence of construction machinery within the vicinity of the asset may give rise to vibration issues, which may affect the structural integrity of the asset. This will	Low	Negligible Adverse	Slight Adverse

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			have an adverse impact on the heritage value of the asset.			
			<p><b>Permanent</b>  The asset will be located approximately 50m east of the widened A46. Road infrastructure already forms part of the setting and the presence of an additional carriageway will not alter the ability to appreciate the asset's relationship with the river. Therefore there will be no adverse impact on the asset's heritage value.</p>	Low	No change	Neutral
MM687	Sluice At Winthorpe	Non-Designated	<p><b>Temporary</b>  This asset is located within the Order Limits of the Scheme. The presence of construction machinery within the vicinity of the asset may give rise to vibration issues, which could affect the structural integrity of the asset. This will have an adverse impact on the heritage value of the asset.</p>	Low	Negligible Adverse	Slight Adverse
			<p><b>Permanent</b>  The asset will be located approximately 50m west of the widened A46. Road infrastructure already forms part of the setting and the presence of an additional carriageway will not alter the ability to appreciate the asset's relationship with the river. Therefore there will be no adverse impact on the asset's heritage value.</p>		No change	Neutral
MM688	Weir At Newark (Nether Weir)	Non-Designated	<p><b>Temporary</b> The asset is located immediately adjacent to land required for the construction of the proposed Scheme. The presence of construction compounds, gantry and machinery within the vicinity of the asset may give rise to vibration issues</p>	Low	Minor Adverse	Slight Adverse

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			and affect the structural integrity. This would adversely impact on the value of the asset.			
			<p><b>Permanent</b> The asset will be located approximately 20m from the widened carriageway of the A46. The presence of new road infrastructure will not affect the ability to appreciate the asset's key relationship with the river. Therefore there will be no adverse impact on the heritage value of the asset.</p> <p>Photographic evidence of the construction of the original A46, as well as recent work on the weir itself shown on Google earth imagery demonstrates heavy disturbance in the area of Nether Weir. As such it is assumed any potential archaeological remains associated with the original Weir will have been removed or truncated, and this has been considered within the assessment contained in Appendix 6.3 (Assessment of Cultural Heritage Effects During Construction of the Scheme) of the ES Appendices <b>(TR010065/APP/6.3)</b>.</p>		Minor Adverse	Neutral
MM714	Malthouse Workers at Farndon Road, Newark	Non-designated.	<p><b>Temporary</b>  The asset is located immediately adjacent to land required for the construction of the proposed Scheme. The temporary presence of increased traffic and construction machinery within the setting will affect the ability to appreciate the residential setting of the asset. This will have an adverse impact on the heritage value of the asset. However, the asset is already affected by noise and traffic from Farndon road.</p>	Low	Negligible Adverse	Slight Adverse

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			<p><b>Permanent</b>  The asset will be located approximately 210m east of the additional A46 carriageway. The asset is screened from the A46 by intervening vegetation and buildings. Therefore there will be no adverse impact on the heritage value of the asset.</p>		No change	Neutral
MM719	Terraced Houses at Newark	Non-designated.	<p><b>Temporary</b>  The asset is located immediately adjacent to land required for the construction of the proposed Scheme. The temporary presence of increased traffic and construction machinery within the setting will affect the ability to appreciate the residential setting of the asset. This will have an adverse impact on the heritage value of the asset. However, the asset is already affected by noise and traffic from Farndon Road.</p>	Low	Negligible Adverse	Slight Adverse
			<p><b>Permanent</b>  The asset will be located approximately 170m east of the additional A46 carriageway. The asset is screened from the A46 by intervening vegetation and buildings. Therefore there will be no adverse impact on the heritage value of the asset.</p>		No change	Neutral
MM736	Flour Mill at Newark	Non-designated.	<p><b>Temporary</b>  The asset lies approximately 55m south of land required for the construction of the proposed Scheme. The temporary presence of increased traffic and construction machinery will affect the ability to appreciate the agricultural setting of the asset. This will have an adverse impact on the value of the asset, although there is vegetation screening to the north.</p>	Low	Negligible Adverse	Slight Adverse



MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			<p><b>Permanent</b>  The asset will be located approximately 400m east of the additional A46 carriageway. The asset is located at some distance away from the new carriageway. Therefore there will be no adverse impact on the heritage value of the asset.</p>		No change	Neutral
MM740	Malt Kiln Terrace At Newark	Non-Designated	<p><b>Temporary</b>  No temporary impact is assessed for this asset as it has been previously removed.</p>	Low	No change	Neutral
			<p><b>Permanent</b>  Below ground archaeological remains associated with the asset were removed in this location by previous road improvement works. Therefore there will be no adverse impact on the heritage value of this asset.</p>		No change	Neutral
MM747	Railway Bridge at Newark	Non-designated.	<p><b>Temporary</b>  The asset is located within land required for construction of the proposed Scheme. The presence of construction machinery within the immediate vicinity of the asset may give rise to vibration issues and affect the structural integrity of the asset. This will have an adverse impact on the heritage value of the asset.</p>	Low	Negligible Adverse	Slight Adverse
			<p><b>Permanent</b>  The asset will be located approximately 150m from the additional A46 carriageway. The presence of additional road infrastructure will not affect the ability to appreciate the asset's historic interest. Therefore there will be no adverse impact on the heritage value of the asset.</p>		No change	Neutral

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM749	Railway Bridge at Newark	Non-designated.	<b>Temporary</b> The asset is located immediately adjacent to land required for construction of the proposed Scheme. The presence of construction machinery within the immediate vicinity of the asset may give rise to vibration issues and affect the structural integrity of the asset. This will have an adverse impact on the heritage value of the asset, although the bridge experiences vibration from trains which pass over it.	Low	Minor Adverse	Slight Adverse
			<b>Permanent</b> The asset will be located approximately 50m south of the additional A46 carriageway. The presence of additional road infrastructure will not affect the ability to appreciate the asset's relationship with the railway. Therefore there will be no adverse impact on the heritage value of the asset.		No change	Neutral
MM812	Two Mile House At Langford	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as it has been previously removed.	Negligible	No change	Neutral
			<b>Permanent</b> Below ground archaeological remains associated with the asset were removed in this location by previous road improvement works. Therefore there will be no adverse impact on the heritage value of the asset.		No change	Neutral
MM813	Former Chemical Works at Newark	Non-designated	<b>Temporary</b> The asset lies immediately adjacent to land required for construction of the proposed Scheme. The presence of construction machinery within the immediate vicinity of the asset may give rise to vibration issues and affect the structural integrity of	Low	Negligible Adverse	Slight Adverse

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			the asset. This will have an adverse impact on the heritage value of the asset.			
			<p><b>Permanent</b>  The asset will be located approximately 40m east of the additional A46 carriageway. Road and rail infrastructure already dominate the asset's setting. The addition of new road infrastructure will not alter this value further. Therefore there will be no adverse impact on the heritage value of the asset.</p>		No change	Neutral
MM814	Newark Crossing	Non-designated.	<p><b>Temporary</b>  The asset lies immediately adjacent to land required for construction of the proposed Scheme. The presence of construction machinery within the vicinity of the asset will not affect the ability to understand the asset's relationship with the railway. Therefore there will be no adverse impact on the heritage value of the asset.</p>	Low	No change	Neutral
			<p><b>Permanent</b>  The asset will be located approximately 40m north-west of the additional A46 carriageway. Road and rail infrastructure already dominate the asset's setting. The addition of new road infrastructure will not affect the ability to understand the relationship with the railway. Therefore there will be no adverse impact on the heritage value of the asset.</p>		No change	Neutral
MM827	Grounds at Averham Parsonage	Non-designated.	<p><b>Temporary</b>  The asset lies approximately 330m south-east of land required for the Kelham and Averham flood compensation area. The presence of construction machinery within agricultural land to the north-west of the asset will temporarily affect the ability to appreciate the historic interest. Therefore there will</p>	Low	Minor Adverse	Slight Adverse

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			be an adverse impact on the heritage value of the asset.			
			<p><b>Permanent</b>  The asset will be located approximately 330m south-east of the Kelham and Averham flood compensation area. The distance of the asset from the flood compensation area means that there will be no adverse impacts on its heritage value.</p>		No change	Neutral
MM828	Park at Kelham Hall	Non-designated.	<p><b>Temporary</b>  The asset lies within land required for the construction of the Kelham and Averham flood compensation area. The presence of construction machinery within the asset, will temporarily affect the legibility of the parkland and affect the ability to understand the agricultural setting. This will have an adverse impact on the value of the asset.</p>	Medium	Minor Adverse	Slight Adverse
			<p><b>Permanent</b>  The asset will be located within the Kelham and Averham flood compensation area. The flood compensation area will continue to be used agriculturally. This will not change the landscape character nor affect the ability to appreciate the rural setting of the asset. Therefore there will be no adverse impact on the heritage value of the asset.</p>		Negligible Adverse	Neutral
MM829	Grounds at Langford Hall	Non-designated.	<p><b>Temporary</b>  The asset lies within land required for the construction of the proposed Scheme. The asset will be altered by the presence of construction machinery within its woodland boundary and agricultural fields to the south of the asset. This will reduce the ability to appreciate the historic interest and result in an adverse impact on the heritage value of the asset.</p>	Low	Minor Adverse	Slight Adverse

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			<p><b>Permanent</b>  A new access road will run along the southern boundary of the asset. The new access road will be constructed within the woodland boundary and replace the existing driveway, which forms the original access to Langford Hall. This will remove the historic connection between the Hall and the lodge and reduce the legibility of the asset. This will result in an adverse impact on the heritage value of the asset.</p>		Minor Adverse	Slight Adverse
MM830	Park at Winthorpe Hall	Non-designated	<p><b>Temporary</b>  The asset lies within land required for the construction of the proposed Scheme. The presence of construction machinery within agricultural fields that form part of the asset will temporarily affect its legibility. This will have an adverse impact on the heritage value of the asset. However, the A1 runs across the former parkland which has reduced the legibility of the asset's historic and artistic interest.</p>	Low	Negligible Adverse	Slight Adverse
			<p><b>Permanent</b>  The asset will be located within the Brownhills flood compensation area. The flood compensation area will continue to be used agriculturally. This will not change the landscape character nor affect the legibility of the asset. Therefore there will be no adverse impact on the heritage value of the asset.</p>		No change	Neutral
MM848	RAF Winthorpe	Non - Designated	<p><b>Temporary</b>  The asset lies partially within land required for the construction of the proposed Scheme. The presence of construction machinery within the boundary of the asset will temporarily affect the</p>	Low	Negligible Adverse	Slight Adverse

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			<p>appreciation of the asset. This will have an adverse impact on the heritage value of the asset.</p> <p><b>Permanent</b>  The asset lies partially within land required for the construction of the proposed Scheme. Remains associated with outlying areas of the RAF base including possible fence lines may be truncated by the construction of the scheme. This will have an adverse impact on the heritage value on the asset.</p>			
					Minor Adverse	Slight Adverse
MM849	Pit Alignment At Newark	Non-Designated	<p><b>Temporary</b>  No temporary impact is assessed for this asset as its removal during construction will be permanent.</p> <p><b>Permanent</b>  This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed during construction of Brownhills junction. This will have an adverse impact on the heritage value on the asset.</p>	Low	No change	Neutral
					Major Adverse	Moderate Adverse
MM850	Ditch At Newark	Non-Designated	<p><b>Temporary</b>  No temporary impact is assessed for this asset as it has been previously removed.</p> <p><b>Permanent</b>  Below ground archaeological remains associated with the asset were removed in this location by previous road improvement works.</p>	Low	No change	Neutral
					No change	Neutral
MM851	Linear Features At Lincoln Road, Newark	Non-Designated	<p><b>Temporary</b>  No temporary impact is assessed for this asset as it has been previously removed.</p> <p><b>Permanent</b>  Below ground archaeological remains associated with the asset were removed in this location by previous road improvement works.</p>	Negligible	No change	Neutral
					No change	Neutral

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM858	Earthworks at Newark Kiln Marina, Newark	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as it has been previously removed.	Low	No change	Neutral
			<b>Permanent</b> Below ground archaeological remains associated with the asset were removed in this location by previous road improvement works.		No change	Neutral
MM859	Enclosures At Kelham	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed during construction of the Kelham and Averham flood compensation area. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Large Adverse
MM865	Linear Features At Farndon	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as it will be preserved in-situ.	Low	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. There will be no physical impact as the asset will be preserved in-situ.		No change	Neutral
MM869	Linear Features & Enclosure At Averham	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent	Medium	No change	Neutral
			<b>Permanent</b> The asset is partially located within land required for the construction of the proposed Scheme. Below ground archaeological remains associated with the asset will be removed during construction of the Kelham and Averham flood compensation area.		Moderate Adverse	Moderate Adverse

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			This will have an adverse impact on the heritage value on the asset.			
MM872	Spring At Newark	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Low	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed during construction of the Farndon flood compensation area. This will have an adverse impact on the heritage value on the asset.		Negligible Adverse	Slight Adverse
MM876	Cropmark Complex At Newark	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed or truncated during construction of the new alignment of the A46. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Large Adverse
MM896	Linear Feature At Newark	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed or truncated during construction of the new alignment of the A46. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Large Adverse



MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM903	Enclosure & Pits At Newark	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as it has been previously removed.	Low	No change	Neutral
			<b>Permanent</b> Below ground archaeological remains associated with the asset were removed in this location by previous road improvement works.		No change	Neutral
MM911	Old Trent Dyke	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Low	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed during construction, although this will be limited to areas already impacted upon through previous road construction works.		Negligible Adverse	Neutral
MM912	Palaeochannel associated with the Old Trent Dyke	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed during construction, although this will be limited to areas already impacted upon through previous road construction works. This will have an adverse impact on the heritage value on the asset.		Negligible Adverse	Slight Adverse
MM930	Possible enclosure sites and associated	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Medium	No change	Neutral

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
	archaeological features		<b>Permanent</b> Potential removal of a substantial portion of the main area of the settlement through construction of the new road and associated activities in this location. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Large Adverse
MM931	Possible enclosure site, palaeochannel and relict field system	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> Potential removal of a substantial portion of the main area of the settlement through construction of the new road and associated activities in this location. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Large Adverse
MM932	Possible archaeological feature	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed during construction of Brownhills junction. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Large Adverse
MM933	Possible enclosure site and/or relict field system	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed during construction of the A1 flyover and access road, east		Major Adverse	Large Adverse

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			of Brownhills junction. This will have an adverse impact on the heritage value on the asset.			
MM934	Enclosure cropmarks	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> The asset is located within land required for the construction of the access road and bunds east of Winthorpe. Below ground archaeological remains associated with the asset will be removed during construction. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Large Adverse
MM935	Possible archaeological features	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Low	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed during construction works at Winthorpe roundabout. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Slight Adverse
MM936	Possible archaeological features	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Low	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed during construction works at Winthorpe roundabout. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Slight Adverse

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM937	Possible ring ditch, barrows and ditches	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed during construction works at Winthorpe roundabout including the new access track to Langford Hall. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Large Adverse
MM938	Possible ditches/field boundaries	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Low	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed during construction works at Winthorpe roundabout. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Slight Adverse
MM939	Brick Culvert identified during watching brief orientated E- W	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its truncation during construction would be permanent.	Negligible	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset may be truncated during construction works at the Kelham and Averham flood compensation area. This will have an adverse impact on the heritage value on the asset.		Minor Adverse	Neutral
			<b>Temporary</b>	Low	No change	Neutral

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM940	Former course of Parish boundary identified during watching brief	Non-Designated	No temporary impact is assessed for this asset as its truncation during construction will be permanent.			
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be truncated during construction works at the Kelham and Averham flood compensation area. This will have an adverse impact on the heritage value on the asset.		Minor Adverse	Slight Adverse
MM941	Site of Manor House	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Low	No change	Neutral
			<b>Permanent</b> This asset is located 300m to the east of the Draft Order Limit therefore will not be impacted by the Scheme.		No change	Neutral
MM942	Possible ditches/field boundaries	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Low	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed during construction works at Winthorpe roundabout. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Slight Adverse
MM943	Possible ditches and pits	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Low	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed during		Major Adverse	Slight Adverse

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			construction works at Winthorpe roundabout. This will have an adverse impact on the heritage value on the asset.			
MM944	Possible ditches/field boundaries/pits	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Low	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed during construction of the A1 flyover and access road, east of Brownhills junction. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Slight Adverse
MM945	Possible enclosure site and/or relict field system	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be removed during ground level reduction associated with the construction of the Kelham and Averham flood compensation area. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Large Adverse
MM946	Possible ditches/field boundaries/drains	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Low	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be truncated during ground level reduction associated with the construction of the Kelham and Averham flood		Major Adverse	Slight Adverse

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			compensation area. This will have an adverse impact on the heritage value on the asset.			
MM947	Possible ditches	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as its removal during construction will be permanent.	Low	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset will be truncated during ground level reduction associated with the construction of the Kelham and Averham flood compensation area. This will have an adverse impact on the heritage value on the asset.		Moderate Adverse	Slight Adverse
MM948	Paleochannel on route of ditch	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as any removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset may be further truncated by expansion of the road. This will have an adverse impact on the heritage value on the asset.		Minor Adverse	Slight Adverse
MM949	Organic deposit	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as any removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset may be further truncated by the construction of the road Scheme. Considering the likely earlier truncation by previous works, this will have an adverse impact on the heritage value on the asset.		Moderate Adverse	Moderate Adverse

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM950	Paleochannel	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as any removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset may be further truncated by the construction of the road Scheme however it is considered that only a small portion of the heritage asset will be impacted. This will have an adverse impact on the heritage value on the asset.		Minor Adverse	Slight Adverse
MM951	Paleochannel	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as any removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset may be further truncated by the construction of the road Scheme however it is considered that only a small portion of the heritage asset will be impacted. This will have an adverse impact on the heritage value on the asset.		Minor Adverse	Slight Adverse
MM952	Paleochannel	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as any removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset may be further truncated by the construction of the road Scheme however it is considered that only a small portion of the heritage asset will be impacted. This will have an adverse impact on the heritage value on the asset.		Minor Adverse	Slight Adverse



MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM953	Paleochannel/Organic deposits	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as any removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset may be further truncated by the construction of the road Scheme however it is considered that only a small portion of the heritage asset will be impacted. This will have an adverse impact on the heritage value on the asset.		Minor Adverse	Slight Adverse
MM954	Organic Deposits	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as any removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset may be further truncated by the construction of the road Scheme however it is considered that only a small portion of the heritage asset will be impacted. This will have an adverse impact on the heritage value on the asset.		Minor Adverse	Slight Adverse
MM955	Paleochannel	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as any removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset may be further truncated by the construction of the road Scheme however it is considered that only a small portion of the heritage asset will be impacted. This will have an adverse impact on the heritage value on the asset.		Minor Adverse	Slight Adverse

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
MM956	Paleochannel	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as any removal during construction will be permanent.	Medium	No Change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset may be mostly removed by the construction of the road Scheme. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Large Adverse
MM957	Paleochannel	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as any removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset may be mostly removed by the construction of the road Scheme. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Large Adverse
MM958	Paleochannel	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as any removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset may be mostly removed by the construction of the road Scheme. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Large Adverse
MM959	Paleochannel	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as any removal during construction will be permanent.	Medium	No change	Neutral

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset may be mostly removed by the construction of the road Scheme. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Large Adverse
MM960	Paleochannel	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as any removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset may be mostly removed by the construction of the road Scheme. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Large Adverse
MM961	Paleochannel	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as any removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset may be mostly removed by the construction of the road Scheme. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Large Adverse
MM962	Paleochannel	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as any removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains		Major Adverse	Large Adverse

MM no.	Name	Designation	Description of Impact	Value	Magnitude of Impact	Significance of Effect
			associated with the asset may be mostly removed by the construction of the road Scheme. This will have an adverse impact on the heritage value on the asset.			
MM963	Organic Deposits	Non-Designated	<b>Temporary</b> No temporary impact is assessed for this asset as any removal during construction will be permanent.	Medium	No change	Neutral
			<b>Permanent</b> This asset is located within the Order Limits of the Scheme. Below ground archaeological remains associated with the asset may be mostly removed by the construction of the road Scheme. This will have an adverse impact on the heritage value on the asset.		Major Adverse	Large Adverse
MM964	Newark Civil War Landscape	Non-Designated	<b>Temporary</b> This asset is spread across a wide area including elements that fall within the Order Limits. Temporary impacts include increased noise and construction traffic in the areas around the Scheduled Monuments disturbing the setting of the monuments. This will have an adverse impact on the heritage value on the asset.	Medium	Minor Adverse	Slight Adverse
			<b>Permanent</b> This asset is spread across a wide area including elements that fall within the Order Limits. Due to the existing buildings and infrastructure it is not considered that there will be a significant impact on the Newark Civil War Landscape. There will be a loss of some minor elements of the landscape through the creation of ponds and the new sections of road for Brownhills Junction. This will have an adverse impact on the heritage value on the asset.		Minor Adverse	Slight Adverse