

HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and Additional Provision 4 Environmental Statement

Volume 5 | Technical appendices

Community

(CM-001-004, CM-001-007, CM-001-011, CM-001-014,
CM-001-023, CM-001-024)

October 2015

SES3 and AP4 ES 3.5.1.3

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Department for Transport

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CFA ₁₁ , Stoke Mandeville and Aylesbury	CM-001-011
CFA ₁₄ , Newton Purcell to Brackley	CM-001-014
CFA ₂₃ , Balsall Common and Hampton in Arden	CM-001-023
CFA ₂₄ , Birmingham Interchange and Chelmsley Wood	CM-001-024

SES3 and AP4 ES Appendix CM-001-004

Environmental topic:	Community	CM
Appendix name:	Community assessment	001
Community forum area:	Kilburn (Brent) to Old Oak Common	004

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1 Introduction

- 1.1.1 This appendix provides an update to the Appendix CM-001-004 community assessment from the main Environmental Statement (ES) as a result of design changes assessed as part of the Supplementary Environmental Statement 3 (SES₃) and the Additional Provision 4 Environmental Statement (AP₄ ES). This update should be read in conjunction with Appendix CM-001-004 community assessment from the main ES.
- 1.1.2 This appendix includes the SES₃ community impact assessment record sheets for construction.
- 1.1.3 There are no community impact assessment record sheets for SES₃ operation, or for AP₄ ES.

2 Community impact assessment record sheet – construction

- 2.1.1 The following community impact assessment record sheets that are reported in Appendix CM-001-001 community assessment to the main ES no longer apply as the effects are not predicted to occur:
- Residential properties on B₄₁₄ Salusbury Road, Claremont Road and B₄₁₃ Kilburn Lane; and
 - Public toilets at Premier Corner.

2.1 Residential properties at Carlton House and Canterbury House

Table 1: Residential properties at Carlton House and Canterbury House community impact assessment record sheet

Resource name	Residential properties at Carlton House and Canterbury House
CFA	CFA4 Kilburn (Brent) to Old Oak Common
Resource type	Residential properties
Resource description/profile	Residential properties at Carlton House (Canterbury Terrace) and Canterbury House (which is currently under construction and therefore forms part of the Future Baseline), as shown on Map CM-01,E6 (Volume 5, Community Map Book).
Assessment year	Construction phase (2017+)
Impact: loss of amenity	<p>Impact: residents of approximately 20 properties at Carlton House and 10 properties at Canterbury House are predicted to experience in-combination effects arising from significant visual and noise effects during the construction phase, resulting in a loss of amenity.</p> <p>Visual: there will be visual effects associated with views east and north of the satellite compound at the Canterbury Works vent shaft site.</p> <p>Noise: there will be significant noise effects associated with construction activities at the satellite compound at the Canterbury Works vent shaft site over a period of one year and nine months.</p> <p>Traffic: there will be a significant increase in heavy goods vehicle (HGV) movements</p> <p>Duration: effects will coincide for approximately one year and nine months.</p>
Assessment of magnitude	High: as residents will be affected by three significant residual effects arising from visual, noise and traffic effects.
Relevant receptors	Owners/occupiers of the residential properties.
Assessment of sensitivity of receptors to impact	High: as these are residential receptors.
Significance rating of effect	Major adverse - significant effect on residents due to loss of amenity. This is a new effect resulting from the revised scheme.
Proposed mitigation options for significant effects	No further mitigation of amenity effects.
Residual effect significance rating	Major adverse - significant effect on residents due to loss of amenity. This is a new effect resulting from the revised scheme.

2.2 St Mary's Catholic Primary School

Table 2: St Mary's Catholic Primary School community impact assessment record sheet

Resource name	St Mary's Catholic Primary School
CFA	CFA ₄
Resource type	Primary school
Resource description/profile	St Mary's Catholic Primary School. The school has approximately 400 pupils between the ages of 3-11, as shown on Map CM-01,E6 (Volume 5, Community Map Book).
Assessment year	Construction phase (2017+)
Impact: loss of amenity	<p>Impact: Staff and pupils at St Mary's Catholic Primary School are predicted to experience in-combination effects arising from significant visual and noise effects during the construction phase, resulting in a loss of amenity.</p> <p>No other impacts have been identified. Access to the school is unlikely to be affected by construction activity as the construction compound is accessed to the north via Albert Road and construction traffic will exit the construction compound to the south on to Canterbury Road, opposite the junction with Chichester Road, away from the school's access.</p> <p>Visual: there will be visual effects associated with views west of the demolition of the existing buildings on the site and the construction of the ventilation shaft, headhouse and the sub-station.</p> <p>Noise: there will be significant noise effects associated with construction activities at the satellite compound at the Canterbury Works vent shaft site over a period of four years and nine months.</p> <p>Duration: effects will coincide for approximately four years and nine months.</p>
Assessment of magnitude	Medium: as receptors will be affected by two significant residual effects arising from visual and noise effects.
Relevant receptors	Staff and pupils at the school.
Assessment of sensitivity of receptors to impact	High: as these are school / education users (specifically children) in a learning environment.
Significance rating of effect	Major adverse - significant effect on staff and pupils due to loss of amenity. This is a new effect resulting from the revised scheme
Proposed mitigation options for significant effects	No further mitigation of amenity effects.
Residual effect significance rating	Major adverse - significant effect on staff and pupils due to loss of amenity. This is a new effect resulting from the revised scheme

SES3 and AP4 ES Appendix CM-001-007

Environmental topic:	Community	CM
Appendix name:	Community assessment	001
Community forum area:	Colne Valley	007

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1 Introduction

- 1.1.1 This appendix provides an update to the Appendix CM-001-007 community assessment from the main Environmental Statement (ES) as a result of design changes assessed as part of the Supplementary Environmental Statement 3 (SES₃) and the Additional Provision 4 Environmental Statement (AP₄ ES). This update should be read in conjunction with Appendix CM-001-007 community assessment from the main ES.
- 1.1.2 This appendix includes the SES₃ community impact assessment record sheets for construction.
- 1.1.3 There are no community impact assessment record sheets for SES₃ operation, or for AP₄ ES.

2 Community impact assessment record sheet – construction

- 2.1.1 The following community impact assessment record sheets that are reported in Appendix CM-001-001 community assessment to the main ES no longer apply as the effects are not predicted to occur.
- Residential properties on B467 Swakeleys Road.

2.1 Uxbridge Golf Course

Table 1: Uxbridge Golf Course community impact assessment record sheet

Resource name	Uxbridge Golf Course
CFA	CFA7 Colne Valley
Resource type	Community facility
Resource description/profile	Uxbridge Golf Course is a 12 hole course managed by the London Borough of Hillingdon, as shown on Map CM-01-023-L1 (Volume 5, Community Map Book).
Assessment year	Construction phase (2017+)
Impact: land required	<p>Impact: The new haul road will require land that currently comprises four holes at the north of the course, for approximately ten years in total. Some redesign of the course would allow the course to continue to function as a nine hole course.</p> <p>There are nearby alternative golf courses including the adjacent Buckinghamshire Golf Club and Ruislip Golf Course; the latter is predicted to be affected by the original scheme.</p> <p>Duration: the land is required for approximately ten years.</p>
Assessment of magnitude	High: as the land is required for a long period and has the golf course would not be able to function in its original state (i.e. 12 holes). The proposed redesign of the course means that the course remains functional.
Relevant receptors	Users of Uxbridge Golf Course.
Assessment of sensitivity of receptors to impact	Low: as the resource is unlikely to be used daily and serves a leisure function
Significance rating of effect	Moderate adverse - significant effect on users due to land required to construct the scheme. This is a new effect resulting from the revised scheme.
Proposed mitigation options for significant effects	No further mitigation is proposed.
Residual effect significance rating	Moderate adverse - significant effect on users due to land required to construct the scheme. This is a new effect resulting from the revised scheme.

SES₃ and AP₄ ES Appendix CM-001-011

Environmental topic:	Community	CM
Appendix name:	Community assessment	001
Community forum area:	Stoke Mandeville and Aylesbury	011

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1 Introduction

- 1.1.1 This appendix provides an update to the Appendix CM-001-011 community assessment from the main Environmental Statement (ES) as a result of design changes assessed as part of the Supplementary Environmental Statement 3 (SES₃) and the Additional Provision 4 Environmental Statement (AP₄ ES). This update should be read in conjunction with Appendix CM-001-011 community assessment from the main ES.
- 1.1.2 This appendix includes the SES₃ community impact assessment record sheets for operation.
- 1.1.3 There are no community impact assessment record sheets for SES₃ construction, or for the AP₄ ES.

2 Community impact assessment record sheets - operation

2.1 Residential properties, Stoke Mandeville

Table 1: Residential properties at Stoke Mandeville community impact assessment record sheet

Resource name	Residential properties, Stoke Mandeville
Community forum area (CFA)	Stoke Mandeville and Aylesbury (CFA11)
Resource type	Community infrastructure
Resource description/profile	Five residential properties on the A4010 Old Risborough Road in Stoke Mandeville, as shown on map CM-01-034 in the SES3 and AP4 ES, Community Map Book, 17.
Assessment year	Operation phase (2026+)
Impact 1: loss of amenity	<p>Impact: approximately five residential properties are predicted to experience an in-combination effect arising from significant noise and visual effects during the operation phase, resulting in a loss of amenity.</p> <p>Noise: there will be a significant noise effect due to the operation of the train services.</p> <p>Visual: there will be significant visual effects due to views of the Proposed Scheme, overhead line equipment and the new A4010 Risborough Road underpass.</p> <p>Duration: the combination of these effects is predicted to last for fifteen years.</p>
Assessment of magnitude	Medium: as the residential properties will be affected by significant residual noise and visual effects.
Relevant receptors	Occupiers of the residential properties
Assessment of sensitivity of receptor(s) to impact	High: as these are residential receptors
Significance rating of effect	Major adverse- significant effect on five residential properties due to loss of amenity.
Proposed mitigation options for significant effects	No further mitigation of amenity effects.
Residual effect significance rating	Major adverse- significant effect on five residential properties due to loss of amenity.

SES₃ and AP₄ ES Appendix CM-001-014

Environmental topic:	Community	CM
Appendix name:	Community assessment	001
Community forum area:	Newton Purcell to Brackley	014

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1 Introduction

- 1.1.1 This appendix provides an update to the Appendix CM-001-014 community assessment from the main Environmental Statement (ES) as a result of design changes assessed as part of the Supplementary Environmental Statement 3 (SES₃) and the Additional Provision 4 Environmental Statement (AP₄ ES). This update should be read in conjunction with Appendix CM-001-014 community assessment from the main ES.
- 1.1.2 This appendix includes the SES₃ community impact assessment record sheets for operation.
- 1.1.3 There are no community impact assessment record sheets for SES₃ construction, or for AP₄ ES.

2 Community impact assessment record sheets - operation

2.1 Residential properties, Radstone

Table 1: Residential properties at Radstone community impact assessment record sheet

Resource name	Residential properties, Radstone
Community forum area (CFA)	Newton Purcell to Brackley (CFA14)
Resource type	Community infrastructure
Resource description/profile	Five residential properties in the village of Radstone, rather than ten properties reported in the main ES, as shown on Map CM-01-030, 17
Assessment year	Operation phase (2026+)
Impact 1: loss of amenity	<p>Impact: five residential properties are predicted to experience an in-combination effect arising from significant noise and visual effects during the operation phase, resulting in a loss of amenity. This differs from the main ES, which reported that 10 properties would experience the in-combination effect.</p> <p>Noise: there will be a significant noise effect due to the operation of the train services.</p> <p>Visual: there will be significant visual effects due to views of noise fence barriers, trains, overhead line equipment and overbridges.</p> <p>Duration: the combination of these effects is predicted to be permanent.</p>
Assessment of magnitude	Medium: as the residential properties will be affected by significant residual noise and visual effects.
Relevant receptors	Occupiers of the residential properties
Assessment of sensitivity of receptor(s) to impact	High: as these are residential receptors
Significance rating of effect	Major adverse- significant effect on five residential properties due to loss of amenity.
Proposed mitigation options for significant effects	No further mitigation of amenity effects.
Residual effect significance rating	Major adverse- significant effect on five residential properties due to loss of amenity.

SES3 and AP4 ES Appendix CM-001-023

Environmental topic:	Community	CM
Appendix name:	Community assessment	001
Community forum area:	Balsall Common and Hampton-in-Arden	023

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1 Introduction

1.1.1 This appendix provides an update to the Appendix CM-001-023 Community assessment from the main Environmental Statement (ES) as a result of design change AP4-023-001, assessed as part of the Supplementary Environmental Statement 3 (SES3) and the Additional Provision 4 Environmental Statement (AP4 ES). This update should be read in conjunction with Appendix CM-001-023 Community assessment from the main ES.

1.1.2 This appendix is structured as followed:

- Part 2: Additional Provision 4 Environmental Statement:
 - community impact assessment record sheets - construction; and
 - community impact assessment record sheets - operation.

Part 2: Additional Provision 4 Environmental Statement

2 Community impact assessment record sheets - construction

2.1 Seven residential properties on A452 Kenilworth Road and Marsh Lane

Table 1: Seven residential properties on A452 Kenilworth Road and Marsh Lane community impact assessment record sheet

Resource name	Seven residential properties on A452 Kenilworth Road and Marsh Lane
Community forum area (CFA)	CFA23 – Balsall Common and Hampton-in-Arden
Resource type	Residential
Resource description/profile	<p>This includes seven residential properties along the A452 Kenilworth Road, to the north of Bradnocks Marsh Lane, and on Marsh Lane. These are:</p> <ul style="list-style-type: none"> •Marsh Cottage, Mercote Cottages (two properties) and Marsh Farmhouse, which are accessed via a track off the western side of the A542 Kenilworth Road; •Mercote Lodge and Hornbrook Cottage on Marsh Lane, to the west of the A542 Kenilworth Road; and •Arden House on Marsh Lane, south of the Lincoln Farm Truck Stop.
Assessment year	Construction phase (2017+)
Impact: temporary significant noise, vibration and visual effects	<p>Impact: the main ES reported that six residential properties located off the A452 Kenilworth Road would be in close proximity to the construction of the Sixteen Acre Wood embankment, Marsh Farm viaduct, Mercote Hall Lane (Bridleway M218) accommodation overbridge, the A452 Kenilworth Road overbridge and the realignment of the A452 Kenilworth Road. The SES3 scheme also requires utility diversion works including a water main diversion and the diversion of high and low voltage underground power lines under the A452 Kenilworth Road and Marsh Lane. These works would result in noise, and visual effects on all six properties, and vibration effects at Mercote Lodge and Hornbrook Cottage.</p> <p>AP4 additionally requires the construction of a roundabout between the A452 Kenilworth Road and Marsh Lane (AP-C224-025). This would expand the group of residential properties affected to also include Arden House. The works would result in:</p> <p>Noise: works will result in significant noise effects during the daytime on all seven properties.</p> <p>Vibration: residents at Mercote Lodge and Hornbrook cottage will experience vibration effects due to earthworks for approximately six months during the daytime due to earthworks.</p> <p>Visual: residents at Marsh Farm, Mercote Cottage and Marsh Cottage will experience views of the construction of Sixteen Acre Wood embankment and Marsh Farm viaduct. This will include prominent views of tall construction plant and the appearance of the viaduct and</p>

Resource name	Seven residential properties on A452 Kenilworth Road and Marsh Lane
	associated noise barriers. Residents at Mercote Lodge, Hornbrook Cottage and Arden House will experience short range views dominated by construction activity associated with the A452 Kenilworth Road re-alignment and the new roundabout, including the removal of the existing road in the foreground.
Assessment of magnitude	High: due to two/three significant residual effects on the community. The effect is expanded to effect an additional resource, and the duration of the effect is increased by up to two months, however the magnitude is not different to that reported in the main ES.
Relevant receptors	Residents
Assessment of sensitivity of receptors(s) to impact	High: all residential properties and their occupiers are identified as being highly sensitive.
Significance rating of effect	Major adverse significant: change to amenity, character and residents' enjoyment of the properties as a result of the combination of noise, visual and vibration effects. The effect is expanded to effect an additional resource, and the duration of the effect is increased by up to two months, however the magnitude is not different to that reported in the main ES.
Proposed mitigation options for significant effects	No further mitigation proposed.
Residual effects significance rating	Major adverse significant: change to amenity, character and residents' enjoyment of the properties as a result of the combination of noise, visual and vibration effects. The magnitude of the effect is not different to that reported in the main ES.

2.2 The Island Project School

Table 2: Island Project School community impact assessment record sheet

Resource name	The Island Project School
CFA	CFA23-Balsall Common and Hampton-in-Arden
Resource type	Community
Resource description/profile	The Island Project School at Diddington Hall is an independent school that serves 26 children with Autism and Aspergers Syndrome from ages 5 to 19 years. The grounds of Diddington Hall extend primarily to the west towards Diddington Lane, east towards the A452 Kenilworth Road and south towards Hampton-in-Arden village. The grounds extent to approximately 1.6ha in total. The outdoor space around the building is a teaching resource used for learning and plays activities and is in continual use by pupils during the school day. This includes the track to Diddington Hall, which leads on to Diddington Lane and connecting

SES3 and AP4 ES Appendix CM-001-023

Resource name	The Island Project School
	footpaths to Hampton-in-Arden village. Pupils at the school use Diddington Lane to provide pedestrian access to Hampton-in-Arden village centre, as part of general life skills education. In addition, the track of Diddington Lane forms the main access to the school; the front entrance accessed directly off the A452 Kenilworth Road is not used.
Assessment year	Construction phase (2017+)
Impact 1: reduced accessibility	<p>Impact: the main ES reported that pupils of The Island Project School, at Diddington Hall, regularly use Diddington Lane as a pedestrian route, to access Hampton-in-Arden village as part of life skills education. Diddington Lane would be stopped up to vehicles permanently as part of the original scheme, whilst pedestrian access would be removed temporarily during the construction period. During the construction period there would be no temporary alternative footpath provided. Pupils and staff wishing to access Hampton-in-Arden from Diddington Hall would therefore be required to use the A452 Kenilworth Road and the B4102 Meriden Road. This is not considered to be a suitable alternative route. The relevant section of Diddington Lane would be designated as a bridleway with access provided beneath the proposed Shadow Brook underbridge following the construction period.</p> <p>The proposed amendment will relocate the Island Project School to Jerrings Hall Farm, Solihull. The new site will be within walking distance of Dickens Heath, which will enable the pupils to continue their life skills education.</p> <p>Duration of impact: n/a</p>
Assessment of magnitude	No effect. Pupils at the new location will not have their life skills education disrupted by the proposed scheme.
Relevant receptors	The school has approximately 26 pupils and approximately 11 staff.
Assessment of sensitivity of receptors (s) to impact	High: the school accommodates a high proportion of more vulnerable children, with a limited ability to absorb change.
Significance rating of effect	<p>No effect.</p> <p>The proposed relocation of the Island Project School will remove the isolation effect reported in the main ES.</p>
Proposed mitigation options for significant effects	No mitigation required.
Residual effects significance rating	<p>No effect.</p> <p>The proposed relocation of the Island Project School will remove the isolation effect reported in the main ES.</p>
Impact 2: temporary significant noise and visual effects	Impact: the main ES reported that construction works within proximity to The Island Project School would include the construction of the Diddington Lane embankment, Shadow Brook underbridge, Pasture Farm accommodation overbridge and the A45 Service Road overbridge (located in the Birmingham Interchange and Chelmsley Wood area

SES3 and AP4 ES Appendix CM-001-023

Resource name	The Island Project School
	<p>(CFA24)). These works would result in significant noise effects during the daytime. In addition, significant adverse visual effects were expected. Views of the construction works from the immediate grounds of Diddington Hall and the building itself were unlikely, although taller elements including cranes may be viewed above the height of the intervening vegetation. However, aspects of the construction of the SES3 scheme, including the construction of the Shadow Brook underbridge and associated embankments would result in adverse views from the lane leading to Diddington Farm, which is used by pupils at the school.</p> <p>The proposed amendment would relocate the Island Project School to Jerrings Hall Farm, Solihull. The new location would be unaffected by works to construct HS2.</p> <p>Duration of impact: n/a</p>
Assessment of magnitude	No effect. Pupils at the new location will not be disrupted by the proposed scheme.
Relevant receptors	The school has approximately 26 pupils and approximately 11 staff.
Assessment of sensitivity of receptors (s) to impact	High: the school accommodates a high proportion of more vulnerable children, with a limited ability to absorb change.
Significance rating of effect	<p>No effect.</p> <p>The proposed relocation of the Island Project School will remove the amenity effect reported in the main ES.</p>
Proposed mitigation options for significant effects	No mitigation required.
Residual effects significance rating	<p>No effect.</p> <p>The proposed relocation of the Island Project School will remove the amenity effect reported in the main ES.</p>

SES₃ and AP₄ ES Appendix CM-001-024

Environmental topic:	Community	CM
Appendix name:	Community assessment	001
Community forum area:	Birmingham Interchange and Chelmsley Wood	024

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1 Introduction

1.1.1 This appendix provides an update to the Appendix CM-001-024 Community assessment from the main Environmental Statement (ES) as a result of design change AP-024-001, assessed as part of the Supplementary Environmental Statement 3 (SES₃) and the Additional Provision 4 Environmental Statement (AP₄ ES). This update should be read in conjunction with Appendix CM-001-024 Community assessment from the main ES, and Appendix CM-001-024 from the SES₁ and AP₂ ES.

1.1.2 This appendix is structured as followed:

- Part 2: Additional Provision 4 Environmental Statement:
 - community impact assessment record sheets - construction; and
 - community impact assessment record sheets - operation.

Part 2: Additional Provision 4 Environmental Statement

2 Community impact assessment record sheets - construction

2.1 National Motorcycle Museum

Table 1: National Motorcycle Museum community impact assessment record sheet

Resource name	
Community forum area (CFA)	CFA24 – Birmingham Interchange and Chelmsley Wood
Resource type	Recreation
Resource description/profile	The National Motorcycle Museum is a popular visitor attraction, providing conference and meeting facilities as well as event space. The museum is located off the A45 Coventry Road/M42 junction 6 roundabout (known as M42 junction 6 roundabout) in Bickenhill.
Assessment year	Construction phase (2017+)
Impact 1: temporary loss of land	<p>Impact: the National Motorcycle Museum site is partially within an area of land required to construct the original scheme. As part of the original scheme, the adjacent M42 junction 6 roundabout would require improvement works, including widening of the roundabout and entry/exit roads. This would include the construction of a segregated left turn lane for M42 southbound traffic on the roundabout, which will require an area of land within the museum's car park. The original scheme would result in the loss of approximately 55 car parking spaces (20% of the total car parking spaces) for up to one year and six months during the construction period. The museum currently provides approximately 274 car park spaces and requires the full capacity of the car park to accommodate a range of large events on a regular basis.</p> <p>The SES change meant that some of the improvements to the road network in the vicinity of the National Motorcycle Museum, to mitigate the impact of the scheme, will no longer be required. This includes the segregated left turn lane to the M42 southbound roundabout exit, which was replaced by widening of the existing A45 Coventry Road westbound slip to M42 Junction 6 from three lanes to four; widening of the off slip roundabout entry and part of the widening of the roundabout circulatory carriageway. The SES and AP2 ES Appendix reported that the temporary loss of parking will remain as reported in the main ES, however it is now understood that the temporary loss would be reduced from 55 to 30 spaces as a result of the SES change.</p> <p>The AP4 change, to provide 30 temporary parking spaces, will fully mitigate the temporary loss of parking spaces, thereby removing the temporary effect.</p>
Assessment of magnitude	Negligible: the museum will not be required to close and can continue to be used for its intended purpose without any significant inconvenience to the users.
Relevant receptors	Users of the museum and ancillary facilities.

SES₃ and AP₄ ES Appendix CM-001-024

Resource name	
Assessment of sensitivity of receptors(s) to impact	Medium: the National Motorcycle Museum provides the following facilities: museum, fully licensed restaurant, gift shop, conference and banqueting facilities, training and seminar rooms, and a wedding venue. The museum currently provides 274 car parking spaces and requires the full capacity of the car park to accommodate a range of large events on a regular basis. There is no convenient alternative parking provision for visitors.
Significance rating of effect	Negligible adverse not significant: the temporary loss of land at the National Motorcycle Museum is not likely to impact upon the functioning of the facility. The magnitude of the effect is reduced so that the effect is no longer significant.
Proposed mitigation options for significant effects	No further mitigation proposed.
Residual effects significance rating	Negligible adverse not significant: the temporary loss of land at the National Motorcycle Museum is not likely to impact upon the functioning of the facility. The magnitude of the effect is reduced so that the effect is no longer significant.

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