

**Review of HS2 Undertakings &
Assurances to the London Borough of
Camden
(December 2023)**

Contents

Introduction	3
Implementation of Assurances	3
Overall Status	3
Review of Assurances by Category	7
Appendix A – U&A Details	13
1. Ampthill Estate U&As.....	13
2. Community and Vulnerable People.....	15
3. Construction Commissioner, Camden Fund & Other Commitments affecting LB Camden.....	18
4. Construction Sites	19
5. Construction Traffic	20
6. Environmental Data Sharing	34
7. Environmental Health Officer	38
8. Environmental Data Sharing	40
9. Euston Station	42
10. Heritage.....	47
11. Motorcycle Club.....	48
12. Open Space	49
13. Residential Mitigation.....	53
14. Schools.....	57
15. Skills, Jobs and Businesses.....	59
16. Vent Shafts.....	61

Introduction

During the HS2 Phase One Hybrid Bill Parliamentary passage, the London Borough of Camden secured commitments from HS2 to ensure the impacts of the works would be managed within agreed levels. These commitments are summarised in 164 Undertakings and Assurances (U&A's).

This report provides an update of HS2 Ltd.'s performance as of August 2023.

The red, amber, green (RAG) ratings listed within this report are the Council's view on assurance implementation and do not reflect HS2 Ltd.'s interpretation of their performance against the assurances.

Implementation of Assurances

Camden Council has developed an internal system to rate implementation of each assurance as follows:

Blue	Completed/assurance met
Green	Proceeding to plan
Amber	Issues that need resolving, but no breach reported
Red	Assurance not being met, issue has been escalated

The U&A's have been grouped by 'theme' to help with the analysis. An overview of the status of each theme is provided in the charts below. Details of each individual U&A can found in Appendix A.

Alongside the direct U&As between HS2 Ltd and Camden Council, there are 9 additional assurances between HS2 Ltd. that are deemed of high relevance to Camden Council. These assurances, U&As 2103-2111, have been categorised into relevant themes and are included Council's U&A monitoring framework, and are included in this report.

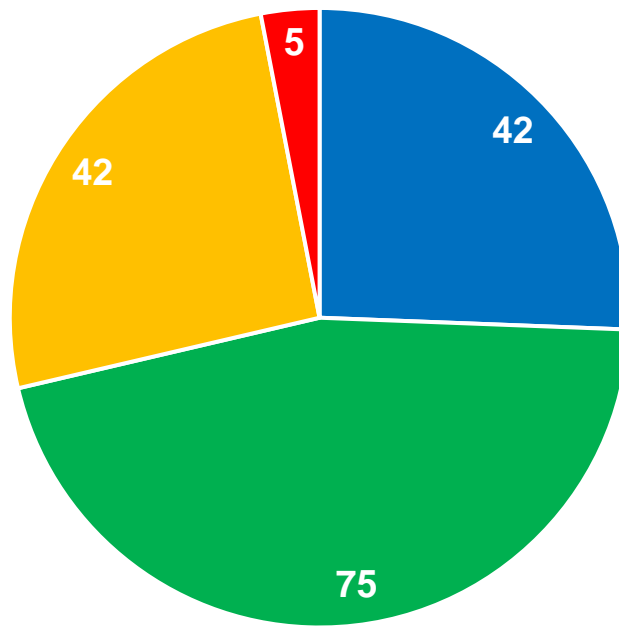
The RAG statuses within this update report are a snapshot of implementation at the time of drafting this document (August 2023).

Overall Status

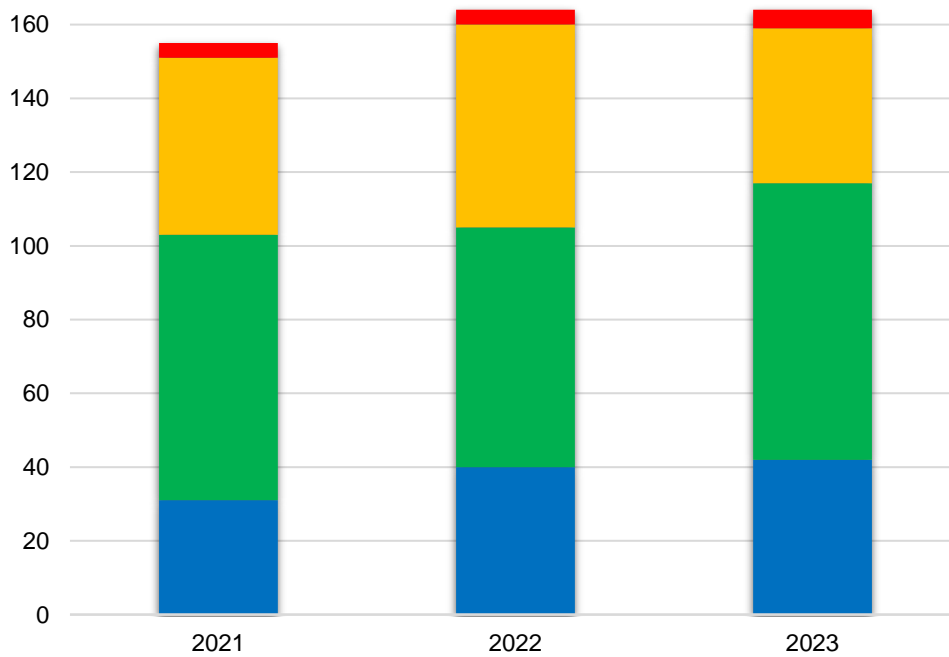
Since Camden Council last reported on HS2 Ltd.'s U&As in February 2022, the announcement of a 'pause' to works at Euston has had a significant impact on HS2 Ltd.'s activities in the Euston area. The legal standing of any U&As owned by HS2 Ltd. remains unchanged, although the Council recognises that the timing and, in a small number of cases, exact nature of individual activities as part of these Assurances may be slightly different in nature during the duration of the HS2 'pause'.

Progress on adherence to the agreed U&As from HS2 Ltd. has been stable, albeit slow, since February 2022. The Council has seen a slight increase in the number of U&As being marked as 'Complete (blue)' and 'Proceeding to plan (green)', up 2 and 10 respectively. This has seen a comparative reduction in the number U&As marked as 'Issues that need resolving (amber)' and 'Assurance not being met (red)', down 11 and 1 respectively.

Overall status of HS2 Ltd.'s U&As (August 2023)



	2021	2022	2023
Blue	31	40	42
Green	72	65	75
Amber	48	55	42
Red	4	4	5



There are currently five U&As which remain of priority concern to the Council and have been marked as red. One of these Assurances is in regard to Green/Open spaces, two are in regard to Heritage matters, and two are in regard to Residential Noise Mitigation:

U&A 1129 – Preservation of the existing tree line edge of Euston Gardens

“The Promoter will require the Nominated Undertaker to use reasonable endeavours when designing and constructing the authorised works in and around Euston Square Gardens to preserve the existing tree line around the edge of those Gardens during construction.”

Evidence for the removal of trees along the West garden for the re-routing of services and the London Underground link tunnel was presented and agreed at tree panel on 20th January 2023. HS2 intended to fell without giving the Council 28 days’ notice as per the assurance. Camden Officers raised questions over the location of the proposed tunnel in relation to the trees in question, and of the timeframes of the proposed felling of the tree. Officers also argued that the trees proposed to be cut down around the perimeter of Euston Square Gardens West, should only be cut down as a matter of last resort, and at a point in the HS2 programme, where the contractors would be delayed without them being removed. Nevertheless, HS2 decided to give formal notice that the trees would be felled to the Director of Recreation at Camden Council.

Despite sources suggesting that HS2 Ltd. had been slowing works down for several weeks before an official announcement of the Euston ‘pause’ finally came on March 9th 2023. Despite this, 12 of the 14 remaining trees in Euston Square Gardens, as well as 9 trees along Euston Road were felled in mid-February just weeks before the official announcement of the HS2 Euston ‘pause’.

U&A 2032 and 2033 – Preservation and integration of two heritage sculptures from the former National Temperance Hospital

“Subject to obtaining the consent of the owner of the Asset concerned, the Promoter will require the Nominated Undertaker to use reasonable endeavours to integrate each Asset into the design for the public realm at Euston following completion of the authorised works. With respect to the "Piscator Sculpture" and "Time Benches", this commitment requires the Nominated Undertaker to use reasonable endeavours to seek to integrate them on Network Rail owned land at Euston. This assurance is offered subject to the consent of Network Rail as the owner of that land.”

“In the event that it is not reasonably practicable to relocate any particular Assets within the public realm at Euston, the Promoter will require the Nominated Undertaker to: a). engage with the Council to find a suitable alternative location for that Asset; and b) install the Asset at such alternative location within Bill limits.”

In February 2022, the Council reported that based on the latest information from HS2 and its contractors, two of the National Temperance Hospital head stones could not be located. On raising the issue with HS2, searches were conducted and one of the missing stones was located.

Since this previous update, HS2 Ltd. remain unable to locate the other missing head stone despite repeated attempts from officers at Camden to ensure the stone is found as a priority. Until such a time that HS2 Ltd. are able to confirm the location of the missing head stone, this assurance will continue to be marked as red. Camden officers will continue to engage with HS2 on prioritising the remaining stone’s whereabouts.

U&A 1144 and 1147 – Noise mitigation on surrounding residential properties

“The Secretary of State will require the Nominated Undertaker to ensure, subject to securing the necessary access and consents, that those qualifying properties have the appropriate mitigation installed before commencement of those 'HS2 Works' that trigger the need for noise insulation.”

“The Secretary of State will require the Nominated Undertaker to use reasonable endeavours to ensure, subject to the necessary access and consents (and the construction timetable), that those qualifying properties have the appropriate mitigation installed before the commencement of those 'HS2 Works' that trigger the need for mitigation.”

The Noise Insulation (NI) programme was promised by HS2 Ltd. as a mitigating measure, to ensure that residents living near construction activity would have the opportunity to have secondary glazing, mechanical ventilation and solar blinds installed.

These two assurances relating to residential mitigation were rated as red in 2022 and 2021. Although significant progress has been made, it remains a cause of concern for Camden Council.

Following the escalation of this assurance to HS2 and government, additional mitigation measures have been provided:

- A £29.2m funding deal to relocate residents from Cartmel, Coniston and Langdale
- £100k funding for additional officers in Camden’s Community Liaison Team to ensure that all residents are adequately engaged on the noise insulation offer and that all snags are rectified.

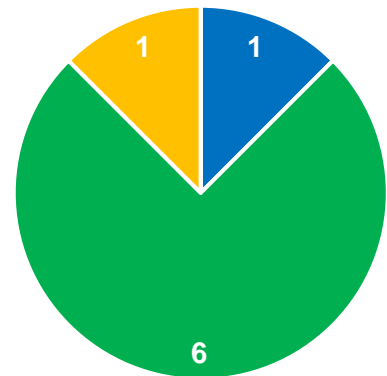
With the pause at Euston slowing down construction works HS2 appears to be slowing down its NI works. Officers continue to work with HS2 to ensure that all installs and snags are completed ahead of works restarting. As such, this assurance continues to be highlighted in red until the Council is completely satisfied that the programme is complete.

The Council should also highlight that many U&As marked as amber or green only remain so pending the ongoing discussions on the planned recommencement of works following the HS2 Euston ‘pause’. Once HS2 Ltd. presents a clear plan for works going forward, the Council will reassess HS2 Ltd.’s compliance with all U&As and compliance rates are at risk of changing significantly to those reported at present (August 2023).

Review of Assurances by Category

Amphill Estate

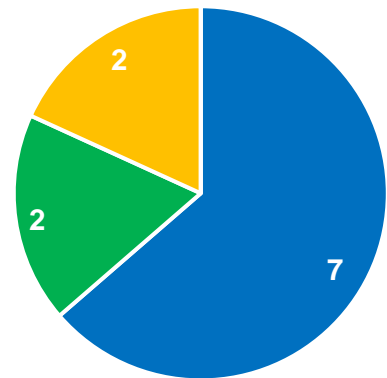
Most of these assurances are green or blue, with one marked as amber regarding noise insulation for residents, HS2 will need to fit this in a timely and satisfactory manner.



Community and Vulnerable People

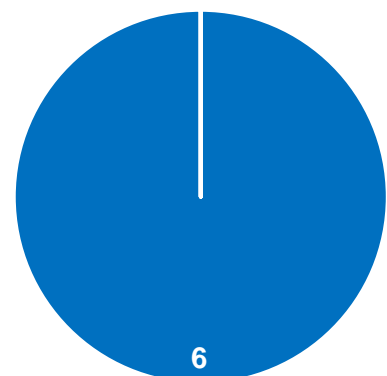
Many of the assurances are green or blue, however, three are amber which relate to public engagement by the Nominated Undertaker on the station design development (1093), the development of a community engagement framework alongside the Council (1094) and the inclusion of commitments in that community engagement framework to engage early and in a timely manner and building relationships based on open communications (2351).

Despite HS2 developing a community engagement framework, the community are not satisfied that there is a two-way conversation, and that information is provided by HS2 and their subcontractors, but there remains little meaningful engagement where residents can influence decision making. Officers are keeping a watch brief on these assurances while the works at Euston and on the station design are currently paused.



Construction Commisioner, Camden Fund and other additional commitments

All six of these assurances have been completed.

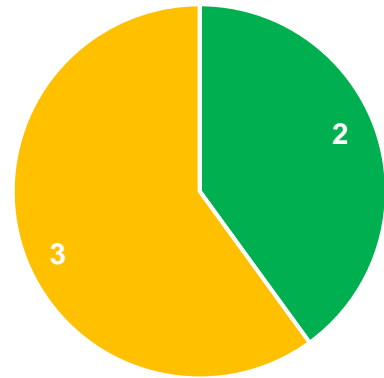


Construction Sites

Three of these U&A's are amber, and relate to identifying meanwhile use sites (1155), maintaining permeability through the HS2 sites in Camden (1157) and providing 3 months' notice for when construction works will commence to businesses on Drummond St and Stephenson Way (2111), which are all ongoing issues while construction works continue to the west of the station. The permeability and notice to traders may improve once MDJV wind down their works in the Euston area during the pause.

The meanwhile use site identification has actually improved since the pause to works at the Station area was announced in March 2023, where The Euston Partnership has led on finding suitable sites that can be returned to the community for meanwhile uses.

The meanwhile use U&A's relate to the lifespan of the project, so these will continue to be monitored even after the pause.

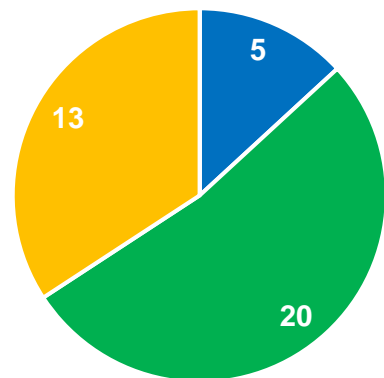


Construction Traffic

Many of the assurances are green or blue, however, 13 are amber, many of which relate to materials by rail (1097, 2358, 2360, 2361 & 2362) where the DfT has reviewed several times over whether this can be achieved at Euston or not (main concerns being cost and time). However, with the pause in works at Euston for both HS2 and Network Rail on Network Works, this decision is being reconsidered.

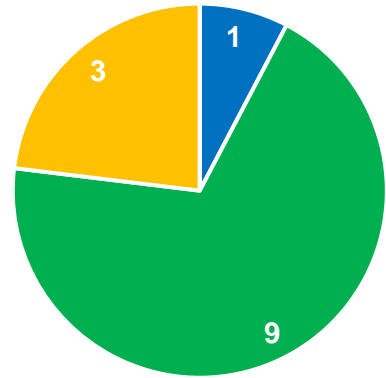
Other concerns relate to HGV vehicle engine compliance with Euro VI (1943, 2363), Hampstead Rd Bridge design (2364, 2365, 2366, 2367 & 3002) and the provision of arrangements for taxis and private hire vehicles (PHV) (1116). The air quality data and compliance check data for the EURO VI engines is provided to Camden via a SharePoint site which has not been working recently but based on good and compliant data from previous years, it is assumed these assurances are being met. This assurance will be ongoing for the lifetime of the project while there are lorries on the road.

Hampstead Rd Bridge and road layout design is currently going through an Interim design Review (IDR) however, this is being slightly hampered by the lack of a confirmed design for the station. Taxis and PHV's are due to be catered for with a new interim taxi rank in the east side of Euston Square Gardens for black taxis and new bays on Eversholt St for PHVs. The lack of provision for off-street PHV drop off and pick up has caused some frustration with officers.



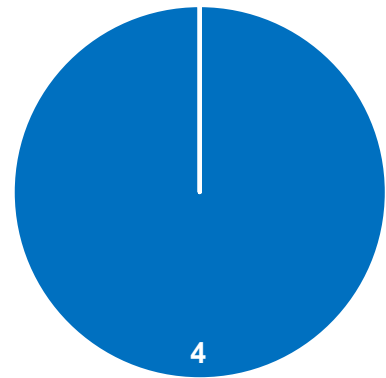
Environmental Data Sharing

Most of these assurances are green or blue. Three are currently amber covering regular reporting of contractor's noise, dust and air quality monitoring (2385) which isn't always reported regularly or on time. The Community has also complained that these reports are often several months late (2387). In addition, the roadside air quality has not improved in the vicinity of Hampstead Rd and HS2 sites compared to elsewhere in the Borough (2104). This data will continue to be monitored over the lifespan of the project.



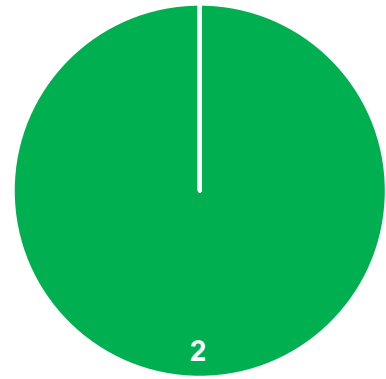
Environmental Health Officer

All 4 of these assurances have been completed.



Escalation and Engagment

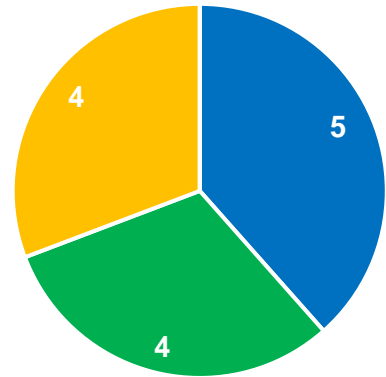
Both of these assurances are currently green.



Euston Station

There are nine assurances connected to the station which are currently amber. These mainly relate to station design and design principles (1090), station design panel (1085, 1086 & 1089) and Euston Area Plan (EAP) (1083). Others relate to the various boards and governance over the station design such as ESSRB, EIPB (1081 & 1082).

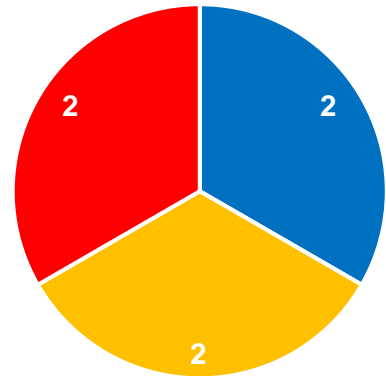
One of the previously green U&As has been raised to amber (1080) which requires HS2 to continue manage shared objectives for the local area in Euston. This has been raised to amber due to the pause in works at Euston and the station design for at least two years. It is likely that many of these assurances will remain amber, but officers are keeping a watching brief on many of these while the pause is ongoing and until a station design is finally agreed.



Heritage

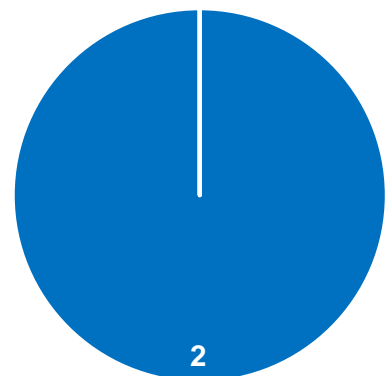
No progress has been made by HS2 on this issue from 2022. There are two assurances relating to Heritage rated red (2032 and 2033) and two amber (2031 & 2034). Under these assurances, HS2 and its contractors are expected to use reasonable endeavours to integrate heritage assets into the Euston public realm design. Based on the latest information from HS2 and its contractors, one of the National Temperance Hospital memorial stones still cannot be located.

Officers are working with HS2 to understand what may have happened and whether locating it may be possible. While HS2 continue to search for the memorial stone, the assurances will remain red and amber respectively.



Motorcycle Club

Both of these assurances have been completed.

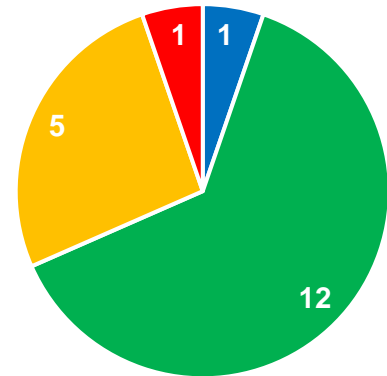


Open Space

Most of these are green, but currently six are amber and one is red. The ambers relate to suitable replacement trees (1125), keeping a record of lost trees and replacements (1126), temporary open space (1135 & 1136), permanent replacement open space (1137), funding of improvements to open space including Langdale. (1138).

The main concerns centre on the pause and the delay to the replacement of trees in the immediate area around the station, and the lack of an updated tree plan which summarises the total loss to date to help inform planting numbers. The lack of vacant construction sites which could be utilised as temporary open space, is disappointing since the pause was announced.

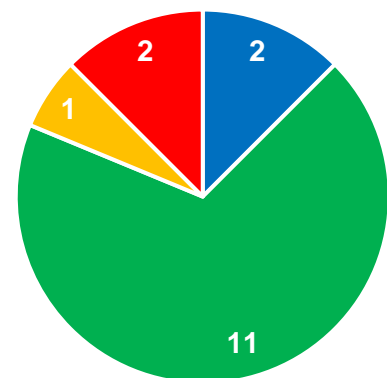
There is one red which relates to the preservation of the existing tree line around the edge of Euston Square Gardens. Several large distinctive London plane trees gained permission to be and then were removed just before the pause to works at Euston was announced. With hindsight, these could have been delayed and kept for several more years.



Residential Mitigation

There are three U&A's that are concerning related to the fitting of Noise Insulation (NI). These relate to qualifying properties having NI fitted before the commencement of noisy works that trigger the need (1144 & 1147, both red) and the undertaking of health impact surveys within 6 months of the start of the works to consider health impacts experienced by residents (2109).

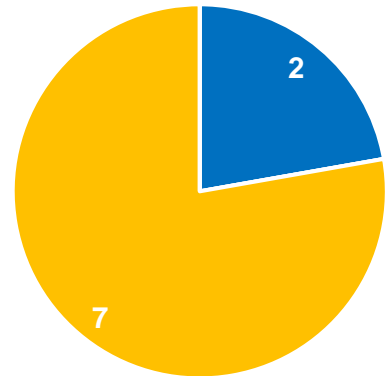
As of June 2023, not all properties within the original scope of the original Noise Insulation works have had them fitted, and the main works which trigger the need for NI has definitely started in Camden. With the likelihood of these noise triggers becoming more frequent, the lack of uptake is concerning. The noise thresholds are being monitored and a survey went out in Sept 2022, but follow up surveys are required to understand progress. This will remain amber until such time some clear results have been produced.



Schools

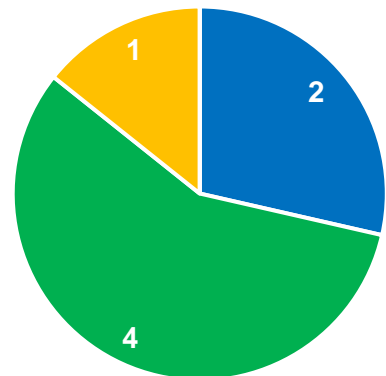
Two assurances have been completed. Seven are marked as Amber (1160, 1162, 1163, 1164, 1165, 1166, 1167). The assurances marked as Amber are for a range of activities encompassing reducing impacts on schools; maintaining safe pedestrian access during term time; Local Traffic Management Plan consultation; mitigation for schools; limiting impacts and providing mitigations; traffic management associated with schools; and reasonable advance notice of works impacting schools.

The above assurances have been marked as Amber as Camden has not seen the required evidence that HS2 and its contractors are pro-actively communicating with local schools on these matters. Until the Council is satisfied that these activities are being adequately undertaken, and this evidence shared with the Council, HS2's adherence to these assurances will continue to be marked as Amber.



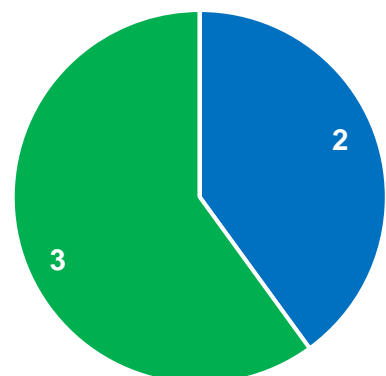
Skills, Jobs and Businesses

The only amber relates to the delivery of the Construction Skills centre. Camden have been waiting several months for the legal paperwork to be updated and then signed by HS2, and until that happens, the Skills centre can't be opened. Much of the works on site to accommodate the Skills Centre has been built, and therefore the expected opening date is summer 2023, but as of late June 2023, the centre remains unopened.



Vent Shafts

These are all now green or blue since the Adelaide Rd vent shaft Sch 17 was approved at Planning Committee in May 2023. There are various conditions that SCS/HS2 need to discharge and further consents for planting and vegetation to accommodate discussions with the local community.



Appendix A – U&A Details

1. Ampthill Estate U&As

U&A ref id	Register of undertakings and assurances	Status
2371	The Promoter will require the Nominated Undertaker or its contractors to engage with the London Borough of Camden in advance of utility works undertaken as part of HS2 construction works which are near to or may affect any apparatus identified as belonging to the London Borough of Camden on the Ampthill Estate, such engagement to include sharing plans of the work and any protective measures.	
2372	The Promoter will require the Nominated Undertaker or its contractors to mitigate as far as reasonably practicable the risk of unplanned interruption to supply from this apparatus caused by HS2 construction works.	
2373	The Promoter will require the Nominated Undertaker or its contractors to establish procedures for the management and mitigation of unforeseen events in the works on Ampthill Estate which will be shared with the London Borough of Camden.	
2374	In the event that HS2 construction works cause damage to utility apparatus owned by the London Borough of Camden, unless it is agreed otherwise with the London Borough of Camden, the Promoter will require the Nominated Undertaker or its contractors as soon as reasonably practicable to make good the damage, subject to obtaining such permissions for access and shut-down of services as may be reasonably required for repairs to be carried out. Except in case of emergencies, such permissions will be agreed with the London Borough of Camden where it is the landowner or service-provider.	
2398	The Secretary of State will make a single contribution of £20,000 ("the Contribution") to the London Borough of Camden for the maintenance of and alterations to the Ampthill Square tenants' hall subject to the following:1.1 the London Borough of Camden will obtain all necessary consents and permissions for the delivery of the alterations;1.2 the Contribution will be used solely for the purposes of the maintenance and alterations to the Ampthill Square tenants' hall; and1.3 the Contribution shall be paid after the Bill receives Royal Assent and on a date to be agreed with the London Borough of Camden as a single payment to the London Borough of Camden in full and final settlement of any future claim by the London Borough of Camden in respect of maintenance and alterations to the Ampthill Square Estate tenants' hall that the London Borough of Camden consider appropriate. These arrangements relating to these assurances will be set out in a legal Agreement between the Secretary of State or Nominated Undertaker as appropriate and the London Borough of Camden.	

U&A ref id	Register of undertakings and assurances	Status
2105	"The Promoter recognises that residents in Camden whose homes are particularly close to the construction works for HS2, such as Ampthill Estate, will wish to be consulted on the mitigation measures for these works. HS2 will engage with local community representatives on the Local Environment Management Plans (LEMPs). Furthermore, engagement on the Community Liaison Plans will include mechanisms for residents associations and other established groups to communicate their preferences regarding how the impacts of the construction programme can be moderated, including consideration of construction breaks and non-working Saturdays."	
2107	"The Promoter will endeavour to reinstate parking space for the Ampthill Estate where it is practicable to do so during suitable periods of inactivity within the construction programme."	
2110	The Promoter has committed to fund improvements to open space at Ampthill Estate to mitigate the impact of construction of the authorised works. The scope of this work will be agreed between the Promoter and the London Borough of Camden.	

2. Community and Vulnerable People

U&A ref id	Register of undertakings and assurances	Status
1093	The Secretary of State will require the Nominated Undertaker to undertake public engagement to inform the design development of Euston Station. Whilst the nature of this engagement will be developed in line with the commitment outlined in 4.2 below, this is envisaged to be an open engagement exercise, with public exhibitions, leaflet drops, interactive online materials and related publicity. The Nominated Undertaker will engage with the community in 2016 and no later than 6 months following the appointment of the design team, on preferred options for the design of Euston Station Design and on a preferred option prior to submission to the planning authority for approval. Further consultation will then take place in advance of the Schedule 17 approval.	
1094	The Secretary of State will require the Nominated Undertaker to engage with the London Borough of Camden on the development of a community engagement framework aimed at ensuring all sections of the community, including businesses and individuals, are made aware of developments in relation to the construction programme and local impacts.	
1095	4.3 The Nominated Undertaker will require that its contractors must produce advance information sheets that: 4.3.1 describe the works to be carried out; 4.3.2 explain the expected disruption; and 4.3.3 explain the measures being taken to minimise or mitigate the adverse impact of the works. 4.4 Where it is reasonably possible to do so these information sheets will be circulated at least two weeks before the construction works start and be made available online.	
1096	4.5 The Secretary of State will require the Nominated Undertaker to ensure that appropriately experienced community engagement personnel are appointed to manage the community relations framework and stakeholder and community relationships during the development of HS2 in the London Borough of Camden area. The community relations team will include: 4.5.1 a single point of contact for local authorities in the London Borough of Camden area; 4.5.2 named individual points of contact for affected property owners; and 4.5.3 a named senior manager accountable for effective implementation of the Code of Construction Practice in the London Borough of Camden area. 4.6. The broad duties of individuals will include, but will not be limited to: 4.6.1 being the first point of contact for communities and local authorities in the London Borough of Camden; 4.6.2 managing relationships with the local communities, businesses, local authorities and other stakeholders within the London Borough of Camden; 4.6.3 raising issues from the London Borough of Camden community within HS2 Ltd and if necessary within the Department for Transport for escalation, resolution or clarification; 4.6.4 monitoring the progress of each item raised and keeping stakeholders informed of progress (to include taking reasonable steps to respond to reasonable suggestions); 4.6.5 monitoring the implementation of the HS2 stakeholder engagement framework for the Scheme in the London Borough of Camden; 4.6.6 attending regular meetings with the Nominated Undertaker and its contractors, local authority, local community and other stakeholders to discuss construction issues and forthcoming programmes of works; and 4.6.7 advising on the appropriate support mechanisms to be provided by the Nominated Undertaker which will be available to local businesses, land owners, voluntary and community organisations that may be affected by the works.	

U&A ref id	Register of undertakings and assurances	Status
2351	<p>1.1 The Nominated Undertaker will include a statement in the Camden community engagement framework as follows: "HS2 Ltd. will engage early with stakeholders and community members in order to build relationships based on open communications. This engagement will be two way in nature with HS2 providing timely information, seeking views in a timely manner and taking views for consideration, answering questions, seeking suitable feedback and responding appropriately to the views of the community".</p> <p>1.2 The Camden community engagement framework will be updated before Royal Assent.</p>	
2352	<p>1.3 The Secretary of State will require the Nominated Undertaker to develop a LB Camden 'schools engagement sub-framework' (to sit within the overarching Camden community engagement framework). This will be aimed at ensuring schools are made aware of development in relation to the construction programme and local impacts in their area.</p> <p>1.4 Work to develop the schools engagement sub-framework will commence prior to Royal Assent. Both will be reviewed in at least six monthly intervals.</p>	
2353	<p>2.1 The Secretary of State will require the Nominated Undertaker, working with the LB Camden, to develop a LB Camden 'Vulnerable People Strategy' and 'vulnerable people communications sub-framework' (to sit within the HS2 overarching Camden community engagement framework).</p> <p>2.2 The Vulnerable People Strategy will be aimed at ensuring that the Nominated Undertaker is able to identify vulnerable people within the community and assess their needs. The vulnerable people communications sub-framework will be aimed at ensuring that the Nominated Undertaker puts in place communications and engagement plans appropriate to these needs. An initial draft of the Vulnerable People Strategy will be shared with the London Borough of Camden as soon as reasonably practicable following the issuing of these assurances (but in any event no later than Royal Assent), following which the strategy will be implemented and thereafter reviewed in at least six monthly intervals.</p>	
2354	<p>2.3.1 Subject to the Secretary of State reaching agreement with the London Borough of Camden including, but not limited to, the terms set out in paragraphs 2.3.2 to 2.3.8 below the Secretary of State will make a contribution up to a maximum of £190,000 ("the Contribution") towards the appointment of the support worker(s) for vulnerable people within the London Borough of Camden area who are affected by the HS2 Works.</p> <p>2.3.2 The Contribution shall be used solely for the purposes of employing support worker(s) to be engaged exclusively on work related to HS2 for a fixed period of two years commencing as soon as reasonably practicable following signing of the undertaking referred to in clause 2.3.8.</p> <p>2.3.3 The Contribution shall be paid in accordance with the following terms:</p> <ul style="list-style-type: none"> i) on the date provided for in accordance with the terms of the legal Agreement as a single payment to the London Borough of Camden payable pursuant to clause 2.3.1; ii) any future funding requirements in addition to the Contribution will be subject to the Secretary of State for Transport's review at the expiry of the fixed two year period specified in clause 2.3.2 iii) Criteria for the review to include but not be limited to review of demand for the service in the previous period and forecast demand based on on-going need during the construction of Stage A of Euston Station as a result of HS2. 	

U&A ref id	Register of undertakings and assurances	Status
	2.3.4 In the event that the Contribution or any part thereof payable pursuant to clause 2.3.1 of this assurance is not applied towards the purposes specified in clause 2.3. 2 within two years of the receipt of the Contribution or any part thereof the London Borough of Camden will refund to the Secretary of State such unexpended contribution or part thereof (as the case may be) together with interest thereon calculated at the base rate from time to time from the date of such payment until the date of repayment.2.3.8 These arrangements relating to these assurances will be set out in a legal Agreement between the Secretary of State or Nominated Undertaker as appropriate and the London Borough of Camden.	
2355	2.3.5 Prior to the appointment of the support worker(s) following payment of the Contribution, the London Borough of Camden will provide the Nominated Undertaker with a copy of the proposed job description and objectives of the support worker ("the Job Description") for review and will, prior to the finalisation of the Job Description, take into account any reasonably representations made by the Nominated Undertaker.2.3.8 These arrangements relating to these assurances will be set out in a legal Agreement between the Secretary of State or Nominated Undertaker as appropriate and the London Borough of Camden.	
3000	From the date of the appointment of the support worker(s) the London borough of Camden will report to the Nominated undertaker on a quarterly basis on the performance and delivery against objectives of the support workers by reference to the Job Description	
3001	The nominated undertaker will through the reporting process referred to in clause 2.3.6 monitor the performance of the support worker(s), and London Borough of Camden acknowledges that in the event that the Nominated Undertaker deems the support workers not delivering against agreed objectives as defined in the job description, the Nominated Undertaker may request that the London Borough of Camden review the appointment.	

3. Construction Commissioner, Camden Fund & Other Commitments affecting LB Camden

U&A ref id	Register of undertakings and assurances	Status
2391	<p>The Secretary of State will require the Nominated Undertaker to establish and maintain proportionate involvement of Local Authority representatives, and representation of local residential communities, on the independent body that will be set up to appoint and monitor the work of the Construction Commissioner. Subject to any further views that are submitted by other panel members, proportionate representation is considered to be two Local Authority representatives one representative of local communities in the form of a revolving appointment for a specified period from communities along the line of the route.</p>	
2392	<p>11.1 The Secretary of State will require the Nominated Undertaker to initiate a HS2 London Borough of Camden Community Panel ("the panel"). The panel will have an independent chair and, as a minimum, members from the local community (no fewer than two), the London Borough of Camden, the Department for Transport and the Nominated Undertaker will be invited.</p> <p>11.2 Through collaboration the panel will work to develop appropriate governance, allocation criteria and an allocation framework for the borough-wide Camden Fund.</p>	
2393	<p>The Secretary of State will require the Nominated Undertaker to make up to £3.5m available as a Camden Fund. This will be allocated by the Panel according to the agreed allocation framework to deliver additional mitigation measures beyond those proposed by the Nominated Undertaker and/or beyond the powers of the Bill. Any proposals funded must not impact the timely, economic and safe delivery or operation of the Phase One HS2 Works. HS2. Ltd will also provide the necessary administration support.</p>	
2394	<p>The Nominated Undertaker will seek to agree the appointment of the Independent Chair with panel members. The Terms of Reference for the Panel, appropriate governance and the allocation framework will be developed by the Nominated Undertaker in coordination with panel members. Within three months of this assurance being accepted, the Nominated Undertaker will prepare draft role specifications for the independent Chair and panel members and prepare a draft full terms of reference for the panel.</p>	
2395	<p>The Nominated Undertaker will review the adequacy and utilisation of the £3.5m financial allocation given to the panel after two years. This review will take into account proposed projects and the community benefits realised as a result of the panel.</p>	
2396	<p>The Promoter will notify the Council as soon as reasonably practical upon the giving of a commitment during the hybrid Bill process which in the Promoter's reasonable opinion will impact on the statutory functions or operations of the London Borough of Camden, where it would not be timely to wait until the next publication of the Register of Undertakings and Assurances. In circumstances where it is practical to notify the Council of these types of commitments before they are granted it will do so.</p>	

4. Construction Sites

U&A ref id	Register of undertakings and assurances	Status
1155	The Secretary of State will require the nominated undertaker to use reasonable endeavours to engage with the London Borough of Camden throughout detailed design and construction to identify opportunities for possible meanwhile uses for vacant or blighted buildings resulting from HS2 works in the London Borough of Camden area. Where these opportunities are identified the nominated undertaker will so far as reasonably practicable enable third parties to use the facilities for the duration of the opportunity insofar as it does not impact the timely, economic and safe delivery of the Proposed Scheme, and subject to necessary consents and costs being obtained by the third party.	
1156	The Secretary of State will require the nominated undertaker so far as reasonably practicable to consider opportunities for joint use of construction sites with other construction projects within the London Borough of Camden area insofar as it does not impact the timely, economic and safe delivery of the Proposed Scheme.	
1157	The Secretary of State will require the nominated undertaker, in carrying out the detailed design of the project, so far as reasonably practicable to maintain permeability through and around construction sites within the London Borough of Camden area.	
1158	The Secretary of State will require the nominated undertaker so far as reasonably practicable to coordinate activities on and relating to the various construction sites in the London Borough of Camden so as to reduce the combined impact of HS2 construction within the London Borough of Camden area insofar as it does not impact the timely, economic and safe delivery of the Proposed Scheme. This will include, but not be limited to, the coordination of applications for consent under section 61 of the Control of Pollution Act 1974.	
2111	The Promoter provided an assurance to the London Borough of Camden with respect to specific actions that will be undertaken to mitigate the impact of business in the local area and has also provided specific assurances to businesses on Stephenson Way and Drummond Street. The Promoter accepts the Select Committee's recommendation to provide businesses, hotels and professional and academic organisations in and around Stephenson Way with a minimum of 3 months' notice of when the main construction works in this locality will commence. For those properties in Stephenson Way likely to be significantly affected by HS2 construction noise, the Promoter will undertake further surveys to determine sensitivity to construction effects and appropriate mitigation measures.	

5. Construction Traffic

U&A ref id	Register of undertakings and assurances	Status
1097	<p>The Secretary of State will require the Nominated Undertaker to:</p> <p>5.1.1 seek to maximise, in so far as reasonably practicable and within existing Bill powers, the volume of excavated and construction material from the construction of Euston Station and approaches to be brought in and removed by rail whilst balancing the wider environmental impacts to the local community and on passenger services.</p>	
1098	<p>The Secretary of State will require the Nominated Undertaker to:</p> <p>5.1.2 engage actively with the London Borough of Camden, the Greater London Authority and Transport for London to develop a plan for the bringing in and removal of such excavated and construction materials to and from Euston Station by rail. This plan will include consideration of options that would require separate planning permissions that may be granted by the London Borough of Camden or the Greater London Authority.</p> <p>5.1.3 Upon completion, "the plan" will be submitted to the Euston Integrated Programme Board and the ESSRB for comment. This will be no later than May 2016. The Promoter will require the Nominated Undertaker to use all reasonable endeavours to incorporate comments from the EIPB and ESSRB into the plan.</p> <p>5.1.4 The plan will then be submitted to the Secretary of State for his consideration. The Secretary of State will then notify the EIPB of his decision in regards to implement the proposals contained within the plan, no later than one month from the date of the plans submission.</p>	
1100	<p>The Secretary of State will require that the Nominated Undertaker and its contractors will act to minimise the waste generated from their construction activities where reasonably practicable in the London Borough of Camden. This will include:</p> <p>5.1 careful storage of materials on-site; 5.2 minimisation of packaging; 5.3 use of re-usable packaging etc.; 5.4 the application of designing-out waste principles to minimise construction waste; 5.5 working towards a cut and fill balance in relation to excavation and tunnelling arisings; and 5.6 the segregation of construction and demolition materials on-site, or through the use of a suitable waste contractor, to maximise diversion from landfill via re-use, recycling and recovery.</p>	

U&A ref id	Register of undertakings and assurances	Status
1101	<p>The Secretary of State will require the Nominated Undertaker to identify, measure and record the types, quantities and fate of waste generated during the construction process by way of a site waste management plan. The information identified shall be reported to the EIPB on a periodic basis to facilitate monitoring of any key performance indicators and to measure progress against any waste management performance targets that may apply.</p>	
1102	<p>5.4 The Secretary of State will require that the Nominated Undertaker prepare construction workforce travel plans, through engagement with the relevant highways authority, with the aim of encouraging the use of sustainable modes of transport to reduce the impact of workforce travel on local residents and businesses in the London Borough of Camden.</p> <p>5.5 The Nominated Undertaker's objectives to support these aims will include: effective management of construction worker traffic to minimise damage to the environment, impact on the surrounding road network, danger to road users and disturbance to neighbouring properties; and the introduction of measures to reduce single occupancy car journeys by staff working on construction sites through the encouragement of car-sharing, use of available public transport, cycling and walking to work where reasonably practicable.</p>	
1103	<p>The Secretary of State will require that the Nominated Undertaker during construction works, will ensure, insofar as is reasonably practicable that the impacts from construction traffic on the local community in the London Borough of Camden (including all local residents and businesses and their customers, visitors to the area, and users of the surrounding transport network) are mitigated by its contractors where reasonably practicable.</p> <p>For the avoidance of doubt, the Secretary of State confirms that transport assurances provided to the London Borough of Camden shall be subject to the Nominated Undertaker securing all requisite consents under Schedule 4 and 17 of the Bill.</p>	
1104	<p>The Secretary of State will require the Nominated Undertaker to prepare Local Traffic Management Plans in liaison with the London Borough of Camden, Transport for London and the emergency services.</p> <p>For the avoidance of doubt, the Secretary of State confirms that transport assurances provided to the London Borough of Camden shall be subject to the Nominated Undertaker securing all requisite consents under Schedule 4 and 17 of the Bill.</p>	

U&A ref id	Register of undertakings and assurances	Status
1105	<p>The Secretary of State will require the Nominated Undertaker to ensure that Traffic Liaison Group (TLG) meetings will take place to enable consultation on the temporary management programme, enable the highway authority to carry out its obligations to ensure there is a co-ordinated approach to traffic management in its area and ensure that local authorities, emergency services and bus operators are aware of programme construction activities that could have an impact on the local strategic road network. The TLG meetings will take into account concurrent construction activities from other schemes.</p> <p>For the avoidance of doubt, the Secretary of State confirms that transport assurances provided to the London Borough of Camden shall be subject to the Nominated Undertaker securing all requisite consents under Schedule 4 and 17 of the Bill.</p>	
1106	<p>The Secretary of State will require that the Nominated Undertaker will maintain public access along the highway and over other areas where the public has access, where reasonably practicable, and appropriate measures will be implemented to ensure the local community, economy and transport networks in the London Borough of Camden can continue to operate effectively. Where this is not reasonably practicable, alternative measures shall be identified by the Nominated Undertaker to maintain continual public access, especially for pedestrians and cyclists, to routes in the vicinity of the construction sites within the London Borough of Camden. The impact of road based construction traffic will be reduced by implementing and monitoring clear controls on vehicle types, hours of site operation, parking and routes for large goods vehicles. Without prejudice to any other requirements to do so, the Nominated Undertaker will take reasonable steps to ensure that the London Borough of Camden is notified of those controls and informed of any changes to them.</p>	
1107	<p>The Secretary of State will require the nominated undertaker to, where reasonably practicable, retain access for pedestrians and cyclists where safe and appropriate to do so, including where a highway is closed to other traffic under the powers of the Bill. Prior to any formal application under the Bill relating to traffic or highways proposals, site specific measures will be discussed with highway authorities and emergency services through the Traffic Liaison Group meetings established in accordance with the Code of Construction Practice and the Route-wide Traffic Management Plan. Examples of the measures will include:</p> <p>Details about specific traffic management measures;</p> <p>Installation of appropriate signage indicating all temporary diversions or where reasonably appropriate, alternative routes;</p> <p>Measures to minimise impact on highway users.</p>	

U&A ref id	Register of undertakings and assurances	Status
1108	<p>6.5 Local Transport Management Plans</p> <p>6.5.1. The Secretary of State will require the Nominated Undertaker, to produce Local Traffic Management Plans (LTMPs) within the London Borough of Camden prior to the commencement of any works under the Bill and keep them updated, in consultation with the highway and traffic authorities, the emergency services and other relevant key stakeholders. The LTMP(s) will include, as appropriate:</p> <ul style="list-style-type: none"> details of permitted access routes and accesses for construction traffic; details of site boundaries and the main access/egress points for worksites and compounds; details of temporary and permanent closures and diversions of highways and other public rights of way (including timing); a list of roads which may be used by construction traffic in the vicinity of the site including any restrictions to construction traffic on these routes, such as the avoidance of large goods vehicles operating adjacent to schools during drop off and pick-up periods and any commitments set out in the register of Undertakings and Assurances; details of phasing of works; the proposed traffic management strategy; other measures which will affect the highway, such as lorry holding areas (including timing of use); proposals for the regular operation of traffic liaison groups with key stakeholders to ensure that programmes of HS2 works are shared and which will assist with the highways authorities to carry out their network management duties; and a register of applications for consents associated with temporary traffic management measures. <p>6.5.2. In relation to lorry management, LTMPs will include details of the following, where appropriate:</p> <ul style="list-style-type: none"> timing of site operations and timing of traffic movements; local routes to be used by lorries generated by construction activity; lorry holding areas; lorry holding areas on- or off-highway, how they will be laid out and operated (including timing of operation); and weighbridge(s) at a suitable location(s) on site to monitor compliance with vehicle weight restrictions. 	
1109	<p>Lorry routes will be set out in the LTMPs and as set out in the Planning Memorandum, the Nominated Undertaker will have forward discussions, where reasonably practicable, on lorry route applications prior to submission.</p>	

U&A ref id	Register of undertakings and assurances	Status
1110	<p>The Secretary of State will require the Nominated Undertaker to produce and update (where reasonably required) site specific traffic management measures within the London Borough of Camden and where reasonably practicable to discuss the site specific traffic management measures with the highways authorities and the emergency services. The site specific traffic management measures will include the following, as appropriate:</p> <ul style="list-style-type: none"> - details about specific traffic management, within site specific plans; - road traffic management layouts and signage including works necessary for site access for construction traffic, which will be subject to consultation with the relevant highway authority; - installation of appropriate signage indicating all temporary and permanent diversions of PRow - measures to be implemented to reduce construction traffic impacts, or impacts associated with parking on residential streets; - measures to minimise impact on highway users; - retaining access for cyclists and pedestrians, where safe and appropriate; - timing of traffic management operations, if their scope can be undertaken during off-peak, night or weekend working; - parking controls; - measures to ensure that construction vehicles do not cause damage to highways, and measures to ensure that any damage to grass verges is repaired and reinstated; - requirements relating to the movement of traffic from business and commercial operators of road vehicles, including goods vehicles; - controls to reduce environmental impacts to nearby receptors and consideration of temporary reduced speed limits around worksites; - co-ordination with utility companies and service diversions; and - winter gritting plans, which will complement those of the relevant highway authority. 	
1111	<p>The Secretary of State shall require that the Nominated Undertaker and its contractors shall carry out such monitoring as is necessary to ensure compliance with the requirements of the CoCP, and this will include the maintenance of records of traffic management measures. The monitoring programme, the approach to regular consultation with highway authorities and emergency services and the control processes will be required to be set out in the Environmental Minimum Requirements. The Secretary of State will require the nominated undertaker to set out within the Route-wide Traffic Management Plan, in accordance with the Code of Construction Practice, appropriate measures to require monitoring for the purpose of identifying deviation of Large Goods Vehicles from authorized construction routes , and where there has been an identified deviation, this may result in the issue of a Traffic Enforcement Notice (TEN) and the principal contractor will be alerted to this breach.</p>	

U&A ref id	Register of undertakings and assurances	Status
1112	The Promoter confirms that he will propose amendments to Table 3 in Schedule 4 to the Bill so as to remove the following highways: St Pancras Way, Wrotham Road, Baynes Street, Agar Grove, Randolph Street, Rousden Street, Camden Road, Royal College Street, Bonny Street, Prowse Place, Camden Street, Camden Gardens, Kentish Town Road, Torbay Street, Leybourne Road, Haven Street, Castlehaven Road, Chalk Farm Road, Tottenham Court Road and Warren Street.	
1113	<p>The Secretary of State will require the nominated undertaker to prepare and maintain a Route Management, Improvement and Safety Plan (ROMIS) as set out within the Route-wide Traffic Management Plan prepared in accordance with the Code of Construction Practice. The objective of the ROMIS plan will be to demonstrate that the traffic grounds for refusal of a route as set out in Schedule 16 to the Bill have been appropriately considered. The ROMIS plan shall:</p> <p>set out the construction routes to be approved in accordance with Schedule 17 to the Bill; consider what physical changes to the highway and other land are necessary to enable use by Large Goods Vehicles; confirm that the measures related to safety and free flow of traffic have been considered and, as necessary, mitigated in the proximity of the construction access points.</p>	
1114	The Secretary of State will require the nominated undertaker to comply, as far as reasonably practicable, with the Construction Logistics for Cyclist Safety (CLOCS) standards and the First Operator Recognition System (FORS) or such equivalent or better standards or system that may replace them.	
1115	The Secretary of State will require the nominated undertaker to work with the London Borough of Camden (including through the production and periodic review (with the participation of the London Borough of Camden and TfL) of the Local Traffic Management Plan and through the Traffic Liaison Group) to ensure the Nominated Undertaker supports them as the local highway authority to enable them to carry out their obligations to ensure there is a coordinated approach to traffic management in their area and address local issues as they arise. The Local Traffic Management Plan for Euston will be the subject of regular review to enable it to continue to address local circumstances while recognising HS2's cost and programme constraints.	
1116	In relation to the provision of arrangements for taxis and private hire vehicles at Euston Station, the Secretary of State will require the nominated undertaker to work with the London Borough of Camden through the station design process to seek to maximize convenience to station users and minimize any adverse impacts on the local community, including local residential communities and open space. These principles would be applied both in determining the final design and the provision of interim taxi facilities. The nominated undertaker will work with the London Borough of Camden and TfL to ensure that there is appropriate management of both the interim and final taxi arrangements.	

U&A ref id	Register of undertakings and assurances	Status
1117	<p>In accordance with Information Paper C13 'Local Authority Funding and New Burdens Arising from HS2', the Secretary of State and the Nominated Undertaker are committed to providing funding to LB Camden to meet their reasonable costs in giving highway authority approvals under the Bill. The Secretary of State or the Nominated Undertaker will enter into a Service Level Agreement to address these costs which may provide, if the level of work requires it, funding for a dedicated transport officer.</p> <p>The Promoter acknowledges that the London Borough of Camden may continue its opposition to the Bill in relation to the matter of local authority costs recovery as part of the route wide case being led by Warwickshire County Council.</p>	
1943	<p>The Secretary of State will require that all Heavy Duty Vehicles (with a weight greater than 3.5 tonnes) relating to the construction of the HS2 works entering the London Low Emission Zone will be powered by EURO VI (or lower emission) engines. The Secretary of State will require the Nominated Undertaker to explore the potential for adopting a) a London Borough of Camden-specific requirement benchmark for the percentage of contractor ultra low emissions light vehicles below 3.5 tonnes entering worksites and b) a London Borough of Camden-specific requirement that all vehicles used during the construction of the scheme be powered by Euro VI/6 (or lower emission) engines by 2020. This information will be provided to the London Borough of Camden before the petitioning period for the House of Lords.</p>	
2356	<p>3.1 The Secretary of State will require the Nominated Undertaker to seek to further mitigate the construction traffic impacts of the Scheme in the Camden area by reducing the number of construction related Large Goods Vehicles and maximising the amount of materials moved by rail in so far as reasonably practicable. To this effect, the Secretary of State will require the Nominated Undertaker to:</p> <p>(a) continue to explore, during detailed design, additional and/or alternative opportunities to those referred to in Clause 3.3 including but not limited to the Backing Out Road 2 siding, for removing material by rail and will consider their implementation in so far as they are reasonably practical, within Bill powers and are within the scope of the environmental assessment carried out in connection with the Bill;</p> <p>(b) identify and place an obligation on its contractors to identify opportunities to reduce the number of vehicles on the road, including but not limited to bringing forward options to move material by rail;</p> <p>(c) give due consideration to proposals made by the London Borough of Camden and other members of ESSRB related to further reducing traffic impacts in the London Borough of Camden, including consideration of an on-site concrete batching plant.</p> <p>3.2 To support the delivery of paragraph 3.1 the Promoter will require the Nominated Undertaker to continue to work collaboratively with the London Borough of Camden during further project development and detailed design, both bilaterally and through the ESSRB and EIPB. The Promoter will require the Nominated Undertaker to keep the Euston Strategic Board (ESB) updated regarding its work to meet its obligations under paragraph 3.1 including regular reports on progress.</p>	
2357	<p>The Promoter will require the Nominated Undertaker to require its contractors, in constructing the Proposed Scheme in the London Borough of Camden, to use ready-mix concrete lorries with a minimum capacity of 8 cubic metres, except in the case of an emergency or where it is necessary in order to ensure the safe construction of the works to use vehicles of a lesser capacity.</p>	

U&A ref id	Register of undertakings and assurances	Status
2358	<p>3.4 Subject to the satisfaction of all of the conditions set out in paragraph 3.5 the Promoter will require the Nominated Undertaker to implement both the Platform 13 option and the Platform 18 option, or such other option or options which may better meet the Purpose, in order to maximise, in so far as reasonably practicable, the volume of excavated and construction material moved by rail in connection with the construction of the HS2 Euston station.</p> <p>3.5 The conditions referred to in paragraph 3.4 which must be satisfied, taking into account the full cost (including the Economic Cost) of transporting all construction materials by road and the potential benefits delivered by the options, are:</p> <p>3.5.1 The Promoter being satisfied, acting reasonably, by the results of the Assessment that any adverse impacts on passengers and train operating companies can be adequately mitigated within the scope of the powers and consents to be conferred under the Bill once enacted to the reasonable satisfaction of the Secretary of State and that any potential costs associated with the implementation of the Platform 13 option and the Platform 18 option resulting from compensation payable to Train Operating Companies are considered reasonable by the Secretary of State having regard to the benefits of reducing the number of HGV movements and any associated cost savings stemming from that;</p> <p>3.5.2 The Promoter being satisfied by the result of the Assessment that any adverse impacts on the HS2 construction programme for the HS2 Euston station can be adequately mitigated within the scope of the powers and consents to be conferred under the Bill once enacted and that the implementation of the Platform 13 option and the Platform 18 option will not materially lengthen the overall HS2 construction programme for HS2 works at Euston;</p> <p>3.5.3 The Nominated Undertaker having developed within the constraints of the Bill a design for the HS2 Euston Station that incorporates an initial Platform 13 option and an initial Platform 18 option, that in the reasonable opinion of the Promoter those options (or such other option(s) identified that better meet the Purpose) remain appropriate having regard to the Purpose and broadly compatible with the design of the HS2 Euston Station as the relevant options develop and should the detailed design of the HS2 Euston station change; and</p> <p>3.5.4 The Promoter or the Nominated Undertaker as the case may be gaining any consent or approval that is required from Network Rail through standard industry processes and under any protective provisions and Asset Protection Agreements entered into with Network Rail for implementing the Platform 13 option and the Platform 18 option (or any other option(s) better meeting the Purpose).</p>	

U&A ref id	Register of undertakings and assurances	Status
2359	<p>3.6 The Promoter will require the Nominated Undertaker to work collaboratively with the London Borough of Camden on the preparation of the Assessment and without prejudice to the generality of the above shall:</p> <p>3.6.1 Upon completion, submit the Assessment to the Euston Integrated Programme Board (EIPB) and the ESSRB for consideration and present the findings to the ESB. The Promoter will require the Nominated Undertaker to use all reasonable endeavours to incorporate all reasonable comments from the EIPB and ESSRB into the Assessment and notify them when submitted to the Promoter for decision.</p> <p>3.6.2 The Assessment will then be submitted to the Secretary of State for his consideration. The Secretary of State will then notify the ESSRB of his decision in regards to Platform 13 option and the Platform 18 option or any other option(s) better achieving the Purpose put through the Assessment, no later than two months from the date of the Assessment's submission.</p>	
2360	<p>If the Promoter decides that the Platform 13 option and the Platform 18 option or any other option(s) better meeting the Purpose should not be implemented because of a failure to meet the condition set out in paragraph 3.5.2 and following that the completion of the Authorised Works at Euston is delayed by over 12 months, the Promoter shall, following a reasonable request by the London Borough of Camden, reconsider the results of the Assessment referred to under 3.5.2.</p>	
2361	<p>The Secretary of State will require the Nominated Undertaker to update ESSRB members throughout the construction period in respect of the implementation of these assurances and specifically the amount of material being carried by rail.</p>	
2362	<p>The Secretary of State will require the Nominated Undertaker to keep the public updated in respect of work towards maximising, so far as reasonably practicable, material being carried by rail through regular presentations and discussion of progress at the Euston Community Representatives Group.</p>	
2363	<p>Heavy vehicles (> 3.5 tonnes)</p> <p>The Promoter will require the Nominated Undertaker to include in their contracts with all relevant contractors the following requirements and to enforce those requirements and to require those relevant contractors to pass down and enforce these requirements in contracts with any relevant subcontractors:</p> <p>3.9.1 Require contractors to use HGVs (vehicles with a permissible maximum weight greater than 3.5 tonnes) within the London Low Emission Zone and relating to the construction of the HS2 works, to be powered by Euro VI (or lower emission) engines, unless it is an exempt vehicle.</p>	

U&A ref id	Register of undertakings and assurances	Status
	<p>3.9.2 Require contractors to determine which vehicles are exempt and to report to the Nominated Undertaker HGV numbers by Vehicle Registration Number and Euro standard (including their subcontractors) including any exemptions and non-compliances for all relevant HS2 related works within the London Low Emission Zone. The exemptions shall be determined in a way that seeks to maximise the use of Euro VI (or lower emission) vehicles. This information to be forwarded to the London Borough of Camden, within one month of receipt by the Nominated Undertaker.</p> <p>3.9.3 Certain HGVs (vehicles with a permissible maximum weight greater than 3.5 tonnes) may be exempted on the grounds of:</p> <p>a) Specialism: being a specialist vehicle (not readily available as Euro VI compliant); and/or</p> <p>b) Unforeseen circumstances: for example breakdowns or mechanical failure requiring a replacement vehicle that is not readily available as Euro VI compliant; and/or</p> <p>c) Triviality: if it is expected that a particular vehicle is planned to and only makes no more than 12 visits in any 12-month rolling period to all HS2 works in the London Low Emission Zone, then the vehicle may be given a specific exemption. All exemptions must be obtained from the contractor designated by the Nominated Undertaker for that purpose and the reasons for seeking the exemption shall be recorded. The totality of the exemptions listed in this clause shall account for no more than 8% of unique vehicles on an annual basis. There may be certain circumstances where an exemption cannot be granted in advance and in this case, a retrospective exemption can be granted provided that:</p> <p>(a) the relevant documentation is submitted for consideration within two working days of the vehicle arriving at site;</p> <p>(b) the vehicle falls within the grounds for an exemption; and</p> <p>(c) the reasons for the retrospective application are recorded.</p> <p>3.9.4 All principal contractors, shall set out in their Logistics Environment Sustainability and Safety Management Plans (ESSMPs), their exemptions management process and report vehicle numbers, exemptions and non-compliances to the Nominated Undertaker on a monthly basis for two years from start of works to be undertaken by those principal contractors. Following the end of the initial two year period the reporting period will be reduced in frequency by agreement as performance is established. Non-compliances are those HGVs (vehicles with a permissible maximum weight greater than 3.5 tonnes) which are not Euro VI compliant and have not been exempted under the agreed grounds for exemption (i.e. exempted vehicles are not considered to be non-compliances with the commitment). There shall be a transition period of 12 months from the signing of the assurance, during which the compliance regime will be established. Where Enabling Works Contractors do not produce ESSMPs, they shall make equivalent provisions to those set out in this paragraph, and agree them with the Nominated Undertaker. Such plans or provisions shall be consistent with the principle of avoiding pollutant emissions to air as far as reasonably practicable, as set out in Information Paper E31: Air Quality.3.3. The LB Camden will be provided with this information</p>	

U&A ref id	Register of undertakings and assurances	Status
	<p>in accordance with the third assurance given by the Promoter in the Route-Wide Air Quality assurance dated 23 February 2016.</p> <p>3.9.5 For HGVs, contractors shall prepare and agree an Action Plan with the Nominated Undertaker:</p> <ul style="list-style-type: none"> a) if there is less than 100% Euro VI compliance; or or b) if the number of exemptions increases on the previous three months. <p>Light vehicles (vehicles less than tonnes)</p> <p>The Promoter will require the Nominated Undertaker to include in their contracts with all relevant contractors the following requirements and to enforce those requirements and to require those relevant contractors to pass down and enforce these requirements in contracts with any relevant subcontractors:</p> <p>3.9.6 Require all light vehicles used by contractors in relation to the construction of the HS2 works in the London Low Emission Zone (vehicles with a permissible maximum weight less than or equal to 3.5 tonnes) to be Euro 4 petrol and Euro 6 diesel compliant by 2020 (without an exemptions regime, with annual reporting).</p> <p>3.9.7 Require contractors, as part of their Logistics Environment Sustainability and Safety Management Plans (ESSMPs), to produce a plan to work towards achieving target percentages of ULEVs to be used in the fleet of light vehicles relating to the construction of HS2 for the purposes of their contract, entering the London Low Emission Zone. An 'Ultra Low Emission Vehicle' (ULEV) is defined here based on advice from the Office for Low Emission Vehicles as: 'emissions lower than 75gCO₂/km and zero-emission range greater than 10 miles'. The target percentage of ULEVs shall be proportionate to the size and duration of the contract, and take into account the vehicle activity included in it. This plan should be agreed with the Nominated Undertaker and progress against the plan shall be measured and reported.</p> <p>3.9.8 The use of cars (for the purposes of construction activities) by contractors is expected to be minimal during HS2 construction in inner urban areas within London. Contractors shall aim to adopt ULEV cars from the start of works under the act (and report actual usage measured as annual vehicle mileage, not unique vehicles), working towards a target of 100% ULEV use (or other percentage agreed with the Nominated Undertaker who shall have regard to what is proportionate given the size and duration of the contract) over the course of their contract, taking into account the contract size, duration and vehicle activity. For vans, contractors shall aim towards meeting a target of 75% ULEV use (or other percentage agreed with the Nominated Undertaker), measured as annual vehicle mileage). Benchmarks (defined here as numbers against which performance will be evaluated) are set for contractor fleet average CO₂ emissions as follows (and will be subject 'to review):</p>	

U&A ref id	Register of undertakings and assurances	Status
	<p>a) fleet average for cars of 75gCO₂/km from start of works authorised under the Bill, decreasing by 5gCO₂/km every 3 years; and b) fleet average for vans of 160gCO₂/km from start of works authorised under the Bill, decreasing by 20gCO₂/km every 3 years).</p> <p>3.9.9 For the metrics for all vehicles referred to above, contractors shall be required to establish a baseline of vehicle use, exemptions and compliance percentages within the first two months of starting their activities.</p> <p>3.9.10 Data shall be reported to the Nominated Undertaker initially on a monthly basis; once continuous improvement is shown in each of three separate adjacent months, the frequency of reporting may be reduced (with the agreement of the Nominated Undertaker). Contractors shall also provide annual (calendar year) statistics to the Nominated Undertaker to enable aggregate reports to be compiled.</p> <p>3.9.11 In keeping with HS2 's principle of avoiding pollutant emissions to air as far as reasonably practicable, keep under review the potential for further updating this assurance to respond to potential future changes to vehicle emissions standards, technology and/or legislation. This could include, but is not restricted to, updating requirements to reflect future vehicle emission standards, and the introduction of automatic monitoring of vehicles relating to the construction of HS2 works.</p>	
2364	<p>The Nominated Undertaker will continue to keep the requirement for and design of the replacement Hampstead Road Bridge under review during the detailed design stage with a view to further mitigating the impacts on the community in so far as is reasonably practicable, within Bill powers and is within the scope of the environmental assessment carried out in connection with the Bill.</p>	
2365	<p>The Nominated Undertaker will consider for implementation reasonable alternatives for the design of the replacement Hampstead Road Bridge proposed by the London Borough of Camden which are outside Bill powers and the scope of the environmental assessment, so long as these do not unreasonably impact the timely, economic and safe delivery of the Authorised Works, and provide to the London Borough of Camden any reasons why such suggestions are not considered appropriate.</p>	
2366	<p>The Nominated Undertaker will continue to engage with the London Borough of Camden through detailed design including through meetings of ESSRB and other technical meetings as required, in relation to paragraphs 4.1 and 4.2 above.</p>	
2367	<p>The Nominated Undertaker will engage with the community in a timely and meaningful manner in relation to the ongoing review of the requirement for and design of the replacement Hampstead Road Bridge referred to in paragraphs 4.1 and 4.2 above.</p>	

U&A ref id	Register of undertakings and assurances	Status
2368	If the Nominated Undertaker proceeds with the replacement of Hampstead Road Bridge detailed in the AP3 scheme (and associated ES), the Promoter will require the Nominated Undertaker to reduce the height of the road surface of the replacement Hampstead Road Bridge presented in the deposited plan for Greater London - London Borough of Camden Sheet no 1-01 by at least between 0.5m and 1m.	
2369	The Secretary of State will require the Nominated Undertaker to seek to engage with relevant statutory undertakers with a view to reducing, insofar as is reasonably practicable and in accordance with Parts 2 and 3 of Schedule 3 2 to the Bill, the impacts of such utility diversion as arise from the construction of Work No 1/11.	
2370	<p>5.1 The Promoter will require the Nominated Undertaker:</p> <p>5.1.1 To only pursue an alternative on-street lorry holding facility in the London Borough of Camden if the Nominated Undertaker can demonstrate to the Promoter's reasonable satisfaction, following meaningful engagement with the London Borough of Camden, that such a holding facility is necessary.</p> <p>5.1.2 If such a facility is demonstrated to be necessary pursuant to paragraph 5 .1.1, to continue during the detailed design of the works authorised by the Bill to keep under review, and work collaboratively with the London Borough of Camden in doing so, the requirements for on-street lorry holding in the Camden area as an alternative to the previously proposed holding facility area adjacent to the westbound carriageway of Park Crescent.</p> <p>5.13 if the Nominated Undertaker determines that that such a holding area is required, to:</p> <p>(a) work collaboratively with the London Borough of Camden in the Nominated Undertaker's selection of a site, including giving consideration to sites proposed by the London Borough of Camden and taking into account all impacts on the borough, including on communities, businesses and road users, particularly vulnerable road users;</p> <p>(b) consult with the London Borough of Camden on the proposed use of any site in a street within Camden;</p> <p>(c) seek the consent of the London Borough of Camden with regard to the proposed use of any site in a street in Camden which is not listed in table 3 of Schedule 4 to the Bill, in accordance with the requirements of the Bill; and</p> <p>(d) to engage with the local Camden community during the process of site selection of any further lorry holding facility required and once detailed design and construction logistics planning has progressed if any lorry holding area is required on-street.</p>	
3002	Refers to assurance being given to TfL with regard to reducing the number of carriageways being re-provided in the final design and height of Hampstead Road bridge.	

U&A ref id	Register of undertakings and assurances	Status
3003	6.1 Impacts of construction traffic 6.1.1. The Secretary of State will require that the Nominated Undertaker during construction works, will ensure, insofar as is reasonably practicable that the impacts from construction traffic on the local community in the London Borough of Camden (including all local residents and businesses and their customers, visitors to the area, and users of the surrounding transport network) are mitigated by its contractors where reasonably practicable.	

6. Environmental Data Sharing

U&A ref id	Register of undertakings and assurances	Status
2380	The latest revision of the CoCP (1 September 2016), will form the basis of the CoCP which is to be finalised by Royal Assent, subject to any changes to the data sharing elements, factual corrections, and any other changes as considered by the Local Authority Planning Forum.	
2381	Further engagement on the content of the LEMPs will be undertaken prior to and after the enabling works contractor is appointed so that LEMPs will be in place for the start of works authorised by the Bill. The detailed design of the HS2 works will mostly be undertaken by the Main Civil Engineering and Station Contractors. In light of this, proportionate updates to the LEMPs will be engaged on during this stage of design.	
2382	The Secretary of State will require the Nominated Undertaker to continue to engage on the detail of the route-wide Community Engagement Framework with the London Borough of Camden and other local authorities through the Planning Forum. The Promoter will use reasonable endeavours to incorporate comments received and where reasonable will provide explanation where comments have not been included.	
2383	The Nominated Undertaker will, for noise, dust and air quality data, provide to the relevant Local Authority monthly reports which include a summary of the construction activities occurring, any complaints received, the data recorded over the monitoring period broken down into appropriate time periods, any periods in exceedance of the agreed trigger levels and the results of any investigations and identified source; and, where the works have been found to be the source, any action taken to immediately resolve the issue and to prevent a recurrence.	
2384	The Nominated Undertaker will, for noise, dust and air quality data, seek to release data relating to complaints received by the relevant Local Authority within 48 hours of the request being made by the relevant Local Authority.	
2385	Where the Nominated Undertaker's contractors are monitoring noise, dust and air quality, the full data set will be made available, following the publication of the monthly report referred to in 9.1.1, to other stakeholders, including members of the community, upon request.	

U&A ref id	Register of undertakings and assurances	Status
2386	The Nominated Undertaker will, for noise, dust and air quality data, following the exceedance of an agreed trigger level notify the relevant Local Authority as soon as reasonably practicable after it has been informed by its contractors.	
2387	The Nominated Undertaker will provide information on noise, dust and air quality monitoring to local communities via channels established under the Community Engagement Framework, including but not limited to online publication, presentations at events and printed materials at H52 events or facilities It will include information on any exceedance of the agreed trigger levels, the cause of these levels, and action taken by the Nominated Undertaker and its Contractors to remedy it and avoid a reoccurrence.	
2388	Where the Nominated Undertaker's contractors are monitoring noise, dust and air quality with equipment capable of streaming data in real time, this will be made available to a named person at a relevant Local Authority, if a written request is received by the Nominated Undertaker. The arrangements for sharing of this data will in no way fetter the duties of the Local Authority under the Environmental Information Regulations 2004 and the Freedom of Information Act 2000 in relation to this data.	
2389	The Nominated Undertaker will review its approach to data sharing as set out in the Code of Construction Practice every two years, including giving consideration to technological developments and best practice being deployed on other projects at the time.	
2390	All measures for recording the maintenance of traffic management measures and measures for monitoring construction traffic, as identified in HS2 information paper E30 (Vehicle Flow Management and Safety Requirements during Construction'), which are routinely monitored by the nominated undertaker, shall be available to relevant local highways authorities and discussed at relevant local Traffic Liaison Groups. Appropriate information shall be publicly accessible within meeting minutes, such minutes being consulted on with the relevant local highway authority in accordance with the Route-wide Traffic Management Plan.	
2390.1	<p>The Nominated undertaker will require its contractors to implement inspection and monitoring procedures to assess the effectiveness of measure to prevent dust and air pollutant emissions. Relevant local authorities will be considered on the monitoring procedures to be implemented, which will include the following measures, as appropriate:</p> <ul style="list-style-type: none"> a) site inspections covering the establishment and operation of the construction site; b) inspection procedures for areas adjacent to the construction site to assess visually any dust and air pollution which may be generated; c) plans for undertaking continuous automatic monitoring or airborne dust and setting a relevant site action level (defined as a measure threshold above which investigation will be required); d) reference to inspection and maintenance schedules for construction vehicles, plant and machinery; 	

U&A ref id	Register of undertakings and assurances	Status
	<p>e) inspection procedures relating to the level of traffic movements, use and condition of haul routes; f) and reports of the monitoring will be provided to Local Authorities.</p> <p>These will include, where appropriate, the interpretation of any continuous automatic monitoring data, any site action level alarms, investigations and remedial actions. Where there are potentially dust-emitting activities on site, as a minimum, a daily visual inspection will be made, and a yes/no record kept of whether there is a risk of dust emissions that day For each work site, or close group of work sites, at the appropriate stage (e.g. detailed design stage), a dust risk assessment of construction activities will be undertaken following best practice methodology (currently IAQM 2014), to derive the risk of each site in order to inform the appropriate monitoring to be employed.</p> <p>The dust control measures detailed in Sections 7.1 and 7.2 apply to all construction sites, as appropriate, and this will be considered when conducting the risk assessment. Sites will be categorised either 'low', 'medium' or 'high' risk. it is anticipated that for 'low risk' sites, visual inspections will be adequate for managing the site. At 'medium' and 'high risk' sites monitoring of dust and particulate matter will be undertaken using continuous automatic monitoring instruments. Monitoring of dust and particulate matter during construction of the project will be undertaken following the current best practice guidance (currently IAQM 2012). Instruments will be used, as appropriate, for continuous automatic monitoring of dust as airborne PM10. These instruments will send an alarm (via the internet or mobile phone system), when a pre-determined site action level is reached. The site action level will be determined as appropriate from current best practise guidance. The alarm will be sent to a person nominated by the contractor (or delegated representative). If the alarm is triggered, the following on-site process will be followed:</p> <p>a) the nominated person (or delegated representative) will investigate activities on site, as quickly as reasonably practicable, to ascertain if any visible dust is emanating from the site or if any activities are occurring on site that are not in line with the dust control measures.</p> <p>b) Any identified causes will be rectified where practicable and actions recorded in the site logbook, and reported to the Nominated Undertaker. The Nominated Undertaker will report this to the relevant authority as soon as reasonably practicable after it has been informed by its contractors.</p> <p>c) If the source of the incident cannot be identified as originating from the site operations, operations of nearby construction sites and other activities will be investigated for potential causes of the alarm. Other sites particulate matter monitoring data may be available to assist this investigation.</p> <p>d) If the source of the alarm is not related to the site operations, the outcome of any investigation and associated actions will be recorded in the site logbook.</p> <p>Access to the data collected by these instruments will be provided to the Nominated Undertaker, and relevant Local Authority, as set out in the Data sharing section of the Code of Construction Practice [see Section 9.1 of this letter]</p>	

U&A ref id	Register of undertakings and assurances	Status
	As detailed in section 7.2, monitoring of air quality effects shall be undertaken adjacent to highways, where these have been identified as significant in the hybrid bill Environmental Statement (as amended) or subsequent assessments. The monitoring shall be undertaken following current best practice guidance (current Defra Local Air Quality Management Technical guidance 2016).	
2104	Due to the particular circumstances of duration and intensity of construction in Camden, the Promoter will monitor air quality to identify where air quality has deteriorated materially as a direct result of HS2 construction and in the event that such deterioration has occurred the Promoter will work with the London Borough of Camden to seek to agree appropriate mitigations, including rehousing if appropriate.	

7. Environmental Health Officer

U&A ref id	Register of undertakings and assurances	Status
2375	<p>7.1 Subject to the Promoter reaching agreement with the London Borough of Camden on the appointment of an Environmental Health Officer including, but not limited to, the terms set out in paragraphs 7.2 to 7.8 below, the Promoter will make a contribution of £65,000 per annum up to a maximum of two years and capped at £130,000 in total ("the Contribution") towards the costs of such appointment.</p> <p>7.2 At the end of the two year fixed period, the Nominated Undertaker will review the position but any further contribution would be payable under the Service Level Agreement in accordance with that agreement. Criteria will include but not be limited to a review of demand for the service in the previous period and forecast demand over the next two years, based on the onward construction timetable.</p>	
2376	<p>7.3 The Contribution will be used solely for the purposes of employing a full time Environmental Health Officer (either directly or to commission such a service), to be engaged exclusively on HS2 related work, for a period of no longer than two years commencing as soon as reasonably practicable following signing of the legal Agreement referred to in paragraph 7.8. This is separate to any arrangements to fund LB Camden for handling of other Environmental Health-related work such as Section 61 applications.</p> <p>7.4 In the event that the Contribution or any part thereof payable pursuant to paragraph 7.1 of this assurance is not applied towards the purposes specified in paragraph 7.2 within two years of the receipt of the Contribution, the London Borough of Camden shall refund to the Secretary of State such unexpended contribution or part thereof (as the case may be) together with interest thereon calculated at the base rate from time to time from the date of such payment until the date of repayment.</p>	
2377	<p>7.5 Prior to the appointment of the Environmental Health Officer, the London Borough of Camden and the Nominated Undertaker will jointly draft the Job Description for that appointment. The Job Description shall make it clear that the Environmental Health Officer's role is to provide a community facing officer who will liaise with members of the local community regarding the impacts of the Proposed Scheme and specifically the process of applying for mitigation packages.</p>	

U&A ref id	Register of undertakings and assurances	Status
2378	<p>7.6 From the date of the appointment of the Environmental Health Officer, the London Borough of Camden will report to the Nominated Undertaker, at agreed intervals, on the performance of the Environmental Health Officer by reference to the Job Description.</p> <p>7.7 The Nominated Undertaker will through the reporting process referred to in clause 7.5, monitor the performance of the Environmental Health Officer against the criteria of the Job Description, and, in the event, following advice from the Nominated Undertaker, that the Promoter deems the Environmental Health Officer's performance below the standard required by the Job Description, the Promoter may require the London Borough of Camden to review the appointment.</p> <p>7.8 These arrangements will be set out in a legal Agreement between the Secretary of State or Nominated Undertaker as appropriate and the London Borough of Camden.</p>	

8. Environmental Data Sharing

U&A ref id	Register of undertakings and assurances	Status
1170	<p>14.1 Where the London Borough of Camden has concerns about the nominated undertaker not doing any of the things mentioned in paragraph 14.4 frequently enough or timeously, then it may invoke the procedure set out in paragraph 14.3 and the nominated undertaker must follow it.</p> <p>14.2. The London Borough of Camden and the Nominated Undertaker shall use all reasonable endeavours to cooperate with each other and to resolve amicably all issues arising between them relating to the subject matter of this paragraph 14.</p> <p>14.3 The procedure is:</p> <p>14.3.1. The London Borough of Camden must notify the nominated undertaker in writing setting out its concerns and making clear what steps it expects the nominated undertaker to take and when and stating that the notification is given under this paragraph.</p> <p>14.3.1. Unless the Nominated Undertaker considers the notification is frivolous or vexatious, it must, no later than 28 days after the receipt of the notice, respond to it in writing setting out what steps (if any) it proposes to take in response to the notice and explaining why, if appropriate, it does not intend to take the steps expected of it by the London Borough of Camden.</p> <p>14.3.3. If the London Borough of Camden is dissatisfied with the response it may require by notice in writing the issue to be considered by a director of the Nominated Undertaker or person of comparable seniority and if it is dissatisfied with the outcome of that consideration, to the Secretary of State.</p> <p>14.4. This paragraph 14 applies to the following:</p> <p>14.4.1. the undertaking of community engagement under paragraph 4.1;</p> <p>14.4.2 any engagement or consultation with the London Borough of Camden required under any of the assurances;</p> <p>14.4.3. keeping stakeholders informed of progress under paragraph 4.6.4;</p> <p>14.4.4. attending regular meetings with the Nominated Undertaker and its contractors, local authority, local community and other stakeholders under paragraph 4.6.4;</p> <p>14.4.6. reporting to EIPD about waste under paragraph 5.5;</p> <p>14.4.7 the production and updating of site specific traffic management measures under paragraph 6.6;</p> <p>14.4.8 working with the London Borough of Camden to ensure a coordinated approach to traffic management, and reviewing plans under paragraph 6.11.</p>	

U&A ref id	Register of undertakings and assurances	Status
1171	<p>Where under any of the assurances the Promoter or the Nominated Undertaker is required to engage with the London Borough of Camden, the process of engagement with the London Borough of Camden shall be carried out in good faith and shall include but not be limited to the following requirements:</p> <p>15.1.1 the London Borough of Camden must be given the opportunity to comment on proposals and to make proposals of its own;</p> <p>15.1.2 the Nominated Undertaker must consider comments made by the London Borough of Camden unless it reasonably considers them to be frivolous or vexatious;</p> <p>15.1.3 the Nominated Undertaker must take reasonable steps to provide reasons to the London Borough of Camden in cases where it does not agree with any reasonable recommendation of the London Borough of Camden.</p>	

9. Euston Station

U&A ref id	Register of undertakings and assurances	Status
1080	<p>The Secretary of State will require the Nominated Undertaker to continue to participate in the Euston Strategic Board and any future appropriate governance arrangements established by the London Borough of Camden, the Greater London Authority or Transport for London, to manage shared objectives for the local area in Euston including the integration of the HS2 Euston Station with other committed or proposed projects and the wider regeneration plans for the area, until the completion of the HS2 works in the area. The Terms of Reference for this group will (amongst other things) continue to include the delivery and implementation of the Euston Area Plan (EAP).</p>	
1081	<p>As expeditiously as possible following the confirmation that the London Borough of Camden will not be pursuing opposition to the Bill on issues of the design and implementation of HS2 Euston Station and comprehensive redevelopment, the Promoter will set up the Euston Station Strategic Redevelopment Board (ESSRB) which will include, as members, the above organisations and Network Rail. The Promoter will commence engagement with the organisations named above with a view to agreeing full Terms of Reference for this group by the end of March 2016 including a forward work programme for the following year. The Terms of Reference will include, as a minimum, providing advice to the Secretary of State, working with and sharing reports and data with the Euston Strategic Board on issues relating to strategic regeneration, deliberating and publishing reports, advice and other documents as the ESSRB sees fit and overseeing:</p> <ul style="list-style-type: none"> - the integration of the delivery of the following projects (subject to future funding decisions and approvals): <ul style="list-style-type: none"> (a) the HS2 Euston Station; (b) the rebuild of the Euston Mainline Station (as and when such rebuild may be funded and authorised) , and supporting the timely consideration of this to reflect the London Borough of Camden's ambitions to limit disruption; (c) the Crossrail 2 proposals at Euston; and (d) Over site development and related development opportunities above the Euston Station and tracks in line with the Euston Area Plan the strategic vision for the Euston station and tracks and the proposed Euston Schemes, taking into account the need for permeability in the design and a comprehensive and integrated development; - the integration of the proposed Euston Schemes, including details of phasing of the various works for the proposed Euston Schemes; - the appointment of a master development partner for over site development and related non-transport works; - the identification of any additional powers necessary for the integration of the proposed Euston Schemes and the process and 	

U&A ref id	Register of undertakings and assurances	Status
	<p>responsibility for obtaining such powers;</p> <ul style="list-style-type: none"> - proposals for mitigating disruption to the station and local community during construction of the proposed Euston Schemes; - strategic issues and risks; - the application of Lessons Learnt from other major infrastructure projects, such as Crossrail and Thames Tideway, as well as from the projects themselves; - Consideration of the establishment of joint working teams where required; - the delivery of a planning brief and master plan for the Euston Station, reported to the Euston Strategic Board. - Proposals for mitigating disruption to the station and local community during construction. 	
1082	<p>As expeditiously as possible following confirmation that the London Borough of Camden will not be pursuing opposition to the Bill on issues of Euston Station design, the Secretary of State will require the Nominated Undertaker to invite officers from the London Borough of Camden, the Greater London Authority and Transport for London to be full members of the Euston Integrated Programme Board (EIPB) together with Network Rail. The EIPB will, with terms of reference to be reviewed periodically, manage the integrated plan for the HS2 works in Euston and coordinate the integration with other projects which may come forward such as redevelopment of the existing Network Rail station, oversite development and integration with Crossrail 2.</p> <p>The EIPB will:</p> <ul style="list-style-type: none"> Bring together HS2 work streams; Provide member organisations with information on progress; Support coordination between member organisation activities; Report to, as appropriate, the ESSRB, and as necessary and appropriate work with the Euston Strategic Board; Monitor the progress of community engagement in accordance with the Community Engagement Framework (3.2). 	

U&A ref id	Register of undertakings and assurances	Status
1083	The Secretary of State will require the Nominated Undertaker to design HS2 Euston Station, so far as is reasonably practicable and within the limits and powers set out in the HS2 Act, having regard to all relevant parts of the Euston Area Plan and any other relevant Opportunity Area Frameworks or Guidance and any other commitments or undertakings given to the London Borough of Camden, the Greater London Authority or Transport for London.	
1084	As expeditiously as reasonably possible, the Secretary of State will require the Nominated Undertaker to establish the Euston Station Design Panel in relation to which the Nominated Undertaker will use reasonable endeavours to agree the chairperson and other members jointly with the London Borough of Camden, Transport for London and the Greater London Authority and with Network Rail.	
1085	<p>2.4 The Secretary of State will require the Nominated Undertaker to involve the Station Design Panel in the design development for HS2 Euston Station from the date of the Station Design Panel's establishment.</p> <p>2.5 The involvement of the Station Design Panel must include as a minimum:</p> <p>2.5.1 an opportunity for the Station Design Panel to comment on the initial design brief of HS2 Euston Station;</p> <p>2.5.2 an opportunity for the Station Design Panel to comment on the designs for HS2 Euston Station prior to those designs progressing to the detailed design stage; and</p> <p>2.5.3 an opportunity for the Station Design Panel to comment on the detailed design for HS2 Euston Station prior to the Nominated Undertaker seeking approval for the design of Euston Station under Schedule 17 to the HS2 Act.</p>	
1086	The Secretary of State will require the Nominated Undertaker to engage actively with the London Borough of Camden and the Greater London Authority as to the preparation of agendas and the content of papers to be put to the Station Design Panel. The London Borough of Camden and the Greater London Authority will be given the opportunity to address the Station Design Panel on such matters as they wish.	
1087	The Secretary of State will require the Nominated Undertaker to have regard to all comments made by the Station Design Panel under assurance (U&A ref ID: 1085) prior to further progression of the design.	

U&A ref id	Register of undertakings and assurances	Status
1088	<p>The Secretary of State will require the Nominated Undertaker to use reasonable endeavours to incorporate any changes to the design for HS2 Euston Station suggested by the Station Design Panel under assurance (U&A ref ID: 1085) where such changes:</p> <p>2.8.1 are within the scope of the limits and powers set out in the HS2 Act; and 2.8.2 in so far as they are relevant to: 2.8.3 the grounds on which the relevant planning authority would be entitled to refuse approval of plans and specifications under Schedule 16 of the Act; or 2.8.4 relate to the integration of the Euston Station with the wider Opportunity Area; 2.8.5 are consistent with any other relevant approvals required under the Act, including any highways approvals required under Schedule 4 and Part 1 of Schedule 32 and with approvals required under any asset protection agreements with Network Rail and Transport for London. 2.8.6 are consistent with the operational requirements for Euston Station.</p>	
1089	<p>If requested by the Station Design Panel, the Secretary of State will require the Nominated Undertaker to notify the London Borough of Camden and the Greater London Authority of the full reasons for failing to incorporate into the design any changes suggested by the Station Design Panel under assurance (U&A ref ID: 1085)</p> <p>2.9.1 The Station Design Panel will continue in existence and operation until all the HS2 Works at or relating to HS2 Euston Station are completed.</p>	
1090	<p>2.10 The Secretary of State will require the Nominated Undertaker to, in so far as is reasonably practicable and within the allocated HS2 budget and any additional financial resources identified by the Secretary of State or other third parties, together with the limits and powers set out in the Bill, design Euston Station having due regard to the following design principles:</p> <p>2.10.1 Simple and Clear - the station must be easy to find and use with simple and clear spaces and self-evident routes to and from trains supported by lucid orientation and wayfinding. 2.10.2 Safe and Secure - the design will create open and welcoming spaces without hidden corners and difficult areas to monitor, safe for both passengers and staff. 2.10.3 Inclusive and Accessible - the station will be equally accessible to all and provide step-free access from street to platform level. 2.10.4 Welcoming & User-friendly - provide facilities commensurate for a 21st century station that ensures passenger comfort and convenience. 2.10.5 Functional and Operable - Simplify the surveillance and safe operation of the station facilities by creating simple and uncomplicated spaces that have easy to operate systems. 2.10.6 Maintainable and Flexible - The building and materials specified must be of high quality, robust, durable and easy and maintain. The designs shall make provision for maintenance access and future flexibility.</p>	

U&A ref id	Register of undertakings and assurances	Status
	<p>2.10.7 Sustainable - The highest sustainable targets will be set and the design will actively seek to reduce the environmental impacts arising from the construction and operation of the station.</p> <p>2.10.8 Value for money - Ensure that there is balance between the long-term costs of operating the station and its functionality.</p> <p>2.10.9 Connectivity, permeability and integrated - The design needs to maximise site permeability and provide the best solutions for transport interchange including for pedestrians and cyclists.</p> <p>2.10.10 A quality of both design and materials that reflects the importance of the station as a mechanism for the regeneration of Euston and that creates a step change for station design and experience.</p> <p>2.10.11 Integration of the station with the current local transport network having regard to the principles of a strategic, efficient and accessible transport interchange.</p> <p>2.10.12 Integration with future planned transport developments, including Crossrail 2 and upgrades to the Northern line, having regard to the principles of efficient, convenience and accessible transport interchange.</p> <p>2.10.13 Appropriate location of railway infrastructure in the context of regeneration opportunities and the potential to maximise development land having regard to the Euston Area Plan.</p> <p>2.10.14 Optimising the use of space outside of the station including to help enhance the business profile of the area.</p> <p>2.10.15 Recognise the Mayoral commitment to increase cyclist numbers and improve cycle safety.</p> <p>2.10.16 Consideration of opportunities for open space.</p> <p>2.10.17 Ensuring that there is appropriate management of both the interim and final taxi arrangements.</p>	
1187	The Secretary of State will require the Nominated Undertaker to expedite production of the detailed design for the HS2 Euston Station so far as reasonably practicable.	
2397	The Secretary of State will require the Nominated Undertaker to design HS2 Euston Station, so far as is reasonably practicable and within the limits and powers set out in the HS2 Act, in such a way as ensure that it does not prejudice the future redevelopment of the Euston Mainline Station.	

10. Heritage

U&A ref id	Register of undertakings and assurances	Status
2031	These assurances are offered subject to the Council obtaining all necessary licences, consents and permissions required in order for the Nominated Undertaker to relocate the item or items concerned in land outside Bill limits.	
2032	Subject to obtaining the consent of the owner of the Asset concerned, the Promoter will require the Nominated Undertaker to use reasonable endeavours to integrate each Asset into the design for the public realm at Euston following completion of the authorised works. With respect to the "Piscator Sculpture" and "Time Benches", this commitment requires the Nominated Undertaker to use reasonable endeavours to seek to integrate them on Network Rail owned land at Euston. This assurance is offered subject to the consent of Network Rail as the owner of that land.	
2033	In the event that it is not reasonably practicable to relocate any particular Assets within the public realm at Euston, the Promoter will require the Nominated Undertaker to: a. engage with the Council to find a suitable alternative location for that Asset; and b. install the Asset at such alternative location within Bill limits.	
2034	The Promoter will require the Nominated Undertaker: c. to work with the Council to find suitable alternative locations for the Memorials within the London Borough of Camden; and d. in the event that suitable alternative locations are identified, and in accordance with the procedure set out in Schedule 20 to the Bill (Burial Grounds), to install the Memorials at their new locations.	
2035	The Promoter will require the Nominated Undertaker to fund up to £10,000 (ten thousand pounds) of the Council's reasonable costs of renovating the Grade II listed drinking fountain ("the drinking fountain"), formerly located at St James' Gardens, prior to its relocation.	
2036	The Promoter will require the Nominated Undertaker to relocate the drinking fountain in accordance with the provisions of a heritage agreement relating to it made between the Promoter and the Council or, in the absence of such agreement, in accordance with Schedule 18 to the Bill (Listed Buildings).	

11. Motorcycle Club

U&A ref id	Register of undertakings and assurances	Status
1168	<p>The Secretary of State will enter into an agreement ("the Agreement") with the London Borough of Camden in a form agreeable to the Secretary of State (acting reasonably) which provides for the Secretary of State to require the Nominated Undertaker, at the appropriate time, to:</p> <p>13.1.1 work with the London Borough of Camden to locate a suitable alternative facility for the Motorcycle Club.</p>	
1169	<p>The Secretary of State will enter into an agreement ("the Agreement") with the London Borough of Camden in a form agreeable to the Secretary of State (acting reasonably) which provides for the Secretary of State to require the Nominated Undertaker, at the appropriate time, to:</p> <p>13.1.2 fund the reasonable costs up to £160,000 to the London Borough of Camden of fitting out the facility for the purposes of its use by the Motorcycle Club; and</p> <p>13.1.3 for the London Borough of Camden to be able to use the £160,000 for other community facilities, should a suitable alternative facility not be found (in that case the £160,000 to be set off as appropriate against any claim for compensation made by the London Borough of Camden in relation to the compulsory acquisition of Silverdale Tenants Hall).</p>	

12. Open Space

U&A ref id	Register of undertakings and assurances	Status
1125	Subject to paragraph U&A Ref ID 1127, the Promoter will require the Nominated Undertaker to secure provision of the number of suitable replacement trees to replace the same number of lost trees.	
1126	The Promoter will require the Nominated Undertaker to maintain a record of the number of the lost trees and of those replacement trees planted by the Nominated Undertaker.	
1127	<p>Insofar as it is not reasonably practicable for the Nominated Undertaker to plant the same number of replacement trees on land within its control to replace all the lost trees, the Promoter will require the Nominated Undertaker to:</p> <p>9.3.1 invite the Council to identify appropriate locations for further replacement trees; and 9.3.2 fund the cost to the Council of providing suitable replacement trees in accordance with the London Borough of Camden's policies on tree replacement, so far as such replacements and costs are reasonable; 9.3.3 with a view to achieving the same number of replacement trees at appropriate locations in the London Borough of Camden to replace the number of lost trees.</p>	
1128	The Promoter will require the Nominated Undertaker to undertake regular reviews and estimates of the numbers of lost and replacement trees throughout the design and construction phases of the authorised works and to engage actively with the Council with a view to ensuring that replacement trees are planted, whether by the Nominated Undertaker or by the London Borough of Camden, as soon as is reasonably practicable and are of a size and species appropriate for their locations. It is acknowledged that planting of replacement trees should commence as soon as reasonably practicable after Royal Assent.	
1129	The Promoter will require the Nominated Undertaker to use reasonable endeavours when designing and constructing the authorised works in and around Euston Square Gardens to preserve the existing tree line around the edge of those Gardens during construction.	
1130	These arrangements (Paragraphs U&A Ref ID 1125 - 1129) will be set out in an agreement between the Secretary of State or Nominated Undertaker as appropriate and the London Borough of Camden.	
1131	The Secretary of State will enter into an agreement ("the Agreement") with the London Borough of Camden in a form agreeable to both parties (acting reasonably) which provides, amongst other things (including details of how scope of works and costs will be agreed under paragraph 9.7) for the matters set out in paragraphs 9.7 to 9.18.	

U&A ref id	Register of undertakings and assurances	Status
1132	<p>The Promoter will require the nominated undertaker to fund improvements to the following open spaces in order to mitigate the impact of the construction of the authorised works on the local community:</p> <p>Munster Square Hope Gardens Clarence Gardens Cumberland Market Amphill Estate Lancing Street Tolmers Square</p> <p>The scope of work for the improvement works referred to in this paragraph will be agreed between the Promoter and the London Borough of Camden.</p>	
1133	<p>The Promoter will require the Nominated Undertaker to fund the London Borough of Camden's reasonable proposals for improvements to existing open spaces and play spaces (other than those listed in paragraph 9.7 above) in order to mitigate the impact of the construction of the authorised works on the local community. The funding referred to in this paragraph is capped at £2m (of which £500,000 is intended for use in providing nature conservation enhancements.</p>	
1134	<p>The Promoter will require the Nominated Undertaker to give proper consideration to opportunities for implementing and/or funding the London Borough of Camden to implement signage and wayfaring to existing and new open spaces and play areas.</p>	
1135	<p>The Promoter will require the Nominated Undertaker to liaise with the London Borough of Camden throughout the design and construction of the authorised works with a view to identifying opportunities on land within the Nominated Undertaker's control for, and implementing the provision of, temporary open space during the authorised works to mitigate that lost to the community in so far as it does not impact the timely, economic and safe delivery of the railway or create a safety risk to the community.</p>	
1136	<p>Insofar as is reasonably practicable and does not create any safety risk to the community or risk to the construction programme for the authorised works, the Promoter will require the Nominated Undertaker to take advantage of opportunities to create short-term areas of open space and play space on sites that are temporarily not required for construction of the authorised works.</p>	

U&A ref id	Register of undertakings and assurances	Status
1137	The Promoter will require the Nominated Undertaker to actively engage with the London Borough of Camden to ensure the provision of high-quality permanent replacement open space and play space within the design for the authorised works in the London Borough of Camden in so far as is reasonably practicable within the limits of the Bill and without impacting the timely and economic delivery of the railway.	
1138	<p>The Promoter will require the nominated undertaker to fund improvements to the following open spaces:</p> <p>9.14.1 Land alongside Langdale open space</p> <p>The scope of work for these improvement works will be agreed between the Promoter and the London Borough of Camden.</p>	
1139	<p>The Promoter will require the nominated undertaker to explore the following as part of the detailed design process:</p> <p>9.15.1 Decking over of a portion of the taxi rank alongside the Northern open space</p>	
1140	<p>The Agreement will provide for the payment by the Secretary of State to the London Borough of Camden of a financial contribution up to a maximum of £3m ("the Contribution") towards the cost of developing the following within the London Borough of Camden:</p> <p>9.16.1 creation of open space through green infrastructure and other enhancements of Phoenix Road potentially including a linear park and nature conservation measures (to be determined by the London Borough of Camden).</p> <p>9.16.2 creation of open space through green infrastructure and other enhancements to the pedestrianized section of North Gower Street.</p>	
1140.1	9.16.1 creation of open space through green infrastructure and other enhancements of Phoenix Road potentially including a linear park and nature conservation measures (to be determined by the London Borough of Camden).The Agreement will provide for the payment by the Secretary of State to the London Borough of Camden of a financial contribution up to a maximum of £3m ("the Contribution") towards the cost of developing the following within the London Borough of Camden:	
1140.2	9.16.2 creation of open space through green infrastructure and other enhancements to the pedestrianized section of North Gower Street.	

U&A ref id	Register of undertakings and assurances	Status
1141	<p>9.17 The Contribution will be payable to the London Borough of Camden and must be used solely for the purposes of funding the enhancements in accordance with paragraphs 7.16.1 and 7.16.2 of these assurances within the London Borough of Camden ("the Enhancements") or (if those enhancements are not, as a result of the response to consultation with the local community, not taken forward by the London Borough of Camden), then the Contribution may be used for other similar enhancements in the vicinity, including as a minimum, enhancing the walking route between Euston Station and St Pancras Station.</p> <p>9.18 The Contribution shall be paid in accordance with the terms agreed by the Secretary of State in the Agreement:</p> <p>9.18.1 the London Borough of Camden will obtain any necessary consents for the delivery of the Enhancements;</p> <p>9.18.2 the enhancements will (subject to the obtaining of consents and to the response of the local community to consultation) include a pedestrian route down Phoenix Road to link HS1 and HS2 the parameters of which should be agreed by HS2;</p> <p>9.18.3 following Royal Assent, the Contribution will be paid as single payment to the London Borough of Camden in full and final settlement of any future claim by the London Borough of Camden against the Secretary of State arising from the HS2 Bill in respect of the HS2 works in the London Borough of Camden affecting the quantum or quality of public open spaces in the London Borough of Camden; and</p> <p>9.18.4 the London Borough of Camden will use reasonable endeavours to construct and have open for public use the pedestrian and cycle route in clause 8.16 on or before the opening of High Speed 2 for public traffic; and</p> <p>9.18.5 the Agreement will include a mechanism for resolving disputes.</p>	

13. Residential Mitigation

U&A ref id	Register of undertakings and assurances	Status
1142	<p>In line with the Draft Code of Construction Practice and Environmental Minimum Requirements, the Promotor has identified 1025 properties identified in Volume 2 of the SES2 and AP3 ES, section 14.3 which have been assessed as being significantly affected by HS2 construction noise and will therefore qualify for noise mitigation in accordance with HS2 policy. The Nominated Undertaker will develop a construction noise mitigation package for those affected properties identified in Volume 2 of the SES2 and AP3 ES, section 14.3, giving due consideration to ventilation, in consultation with the London Borough of Camden. The package of measures available will be agreed with the London Borough of Camden.</p>	
1143	<p>10.2 The process of consultation and pre-installation survey works should commence in Spring 2016 to enable installation of the noise insulation mitigation to those properties in line with the commitments referred to in 10.3 below.</p> <p>10.3 Any ventilation to be installed by the Nominated Undertaker will be consistent with the specifications in the Noise Insulation Regulations, will be installed if agreed with the London Borough of Camden and the householder so that any additional requirements of relevant Building Regulations relating to the ventilation of dwellings are complied with in respect of the dwelling in question and will have regard to the obligations of landlords to maintain properties in ways which comply with the Housing Health and Safety Rating System (HHSRS) and be installed accordingly.</p>	
1144	<p>The Secretary of State will require the Nominated Undertaker to ensure, subject to securing the necessary access and consents, that those qualifying properties have the appropriate mitigation installed before commencement of those 'HS2 Works' that trigger the need for noise insulation.</p>	

U&A ref id	Register of undertakings and assurances	Status
1145	<p>The Nominated Undertaker, in consultation with the London Borough of Camden, will commission a suitably qualified and experienced person to carry out an independent survey of an additional group of residential properties whether or not they have been identified in the ES as being subject to significant effect/likely to require noise insulation. The surveys will apply to a representative sample, as agreed by the Nominated Undertaker and LB Camden, of those properties in the following areas: (i) within the area bounded by Augustus Street, Robert Street, Hampstead Road and Granby Terrace, including any properties directly facing onto Robert Street and Augustus Street, but excluding the replacement housing being built by LB Camden (ii) within the Amptill Estate, bounded by Eversholt Street to the north of Calgarth, Lidlington Place and Hampstead Road (iii) the Camden Cutting Area including Mornington Terrace and Delancey Street. The Promoter will use reasonable endeavours to complete the independent surveys to enable installation pursuant to 10.4. This survey is required due to the perception that these properties would be particularly vulnerable to increased noise due to the design and condition of the buildings. The survey will consider the likelihood of acoustic mitigation being required due to the anticipated effects of HS2, and in accordance with the HHSRS the acoustic and ventilation performance of existing windows and doors facing the works (or a highway carrying construction traffic) and the ventilation otherwise available in the properties in order to assess the risk of the build-up of excess heat or damp/mould through inadequate ventilation.</p>	
1146	<p>In the event that the independent survey identifies that due to the particular design and the current condition of the property, and the predicted effects of the Proposed Scheme, the occupiers are likely to experience significant detriment to their occupancy as a result of the HS2 works with regard to noise and insufficient ventilation, the nominated undertaker will seek to agree with the London Borough of Camden appropriate remedial measures having regard to the duties of LB Camden, including the HHSRS. These measures may include improved ventilation, without other elements of the noise insulation package. Any ventilation to be installed by the Nominated Undertaker will be consistent with the specifications in the Noise Insulation Regulations and will be installed if agreed with the London Borough of Camden and the householder so that any additional requirements of relevant Building Regulations relating to the ventilation of dwellings are complied with in respect of the dwelling in question.</p>	
1147	<p>The Secretary of State will require the Nominated Undertaker to use reasonable endeavours to ensure, subject to the necessary access and consents (and the construction timetable), that those qualifying properties have the appropriate mitigation installed before the commencement of those 'HS2 Works' that trigger the need for mitigation.</p>	
1148	<p>Where impacts change or in circumstances where a property has not been identified at this stage but can be demonstrated that there are similar circumstances as outlined above then an independent survey will be commissioned to assess the requirement for appropriate noise and/ or ventilation mitigation which will be installed if necessary.</p>	

U&A ref id	Register of undertakings and assurances	Status
1149	All costs of the provision of noise insulation, making good, maintenance and running costs of mechanical ventilation units or any other electrical items provided under this paragraph 10 are to be borne by the Nominated Undertaker for the duration of the relevant HS2 works. The costs of removal of the noise mitigation and making good where requested or required (for example in relation to listed buildings) is to also to be borne by the Nominated Undertaker.	
1150	The Secretary of State will consider special cases including night workers, those needing a particularly quiet home environment to work in, or those that have a medical condition which will be seriously aggravated by construction noise, to be considered on a case by case basis. Whilst these discretionary arrangements only apply to residential properties, buildings which may be particularly sensitive to noise (including, commercial, educational and community) will be subject to individual consideration by the nominated undertaker on the application of anybody or person responsible for, or holding a legal interest or estate in, any such building.	
1151	<p>10.11 Recognising the special circumstances of occupiers of the six ground floor properties fronting Hampstead Road in Cartmel, the Nominated Undertaker, in consultation with the London Borough of Camden, will commission a suitably qualified and experienced person to carry out to conduct an independent evaluation of the HS2 assessments in relation to these properties taking into account the latest construction and operational information and the statutory duty to make reasonable adjustments in accordance with the Equalities Act 2010. The Nominated Undertaker will use reasonable endeavours to complete the evaluation by end April 2016.</p> <p>10.12 The results of the above evaluation will be shared with the London Borough of Camden on an open and transparent basis.</p>	
1152	<p>10.13 Following the evaluation, the Nominated Undertaker will engage actively with the London Borough of Camden and residents of the relevant properties to seek to agree appropriate mitigations. This will include consideration of the need for permanent or temporary relocation.</p> <p>10.14 The implementation of any further mitigations, such as rehousing, will be subject to the further agreement of terms with the London Borough of Camden.</p>	
1153	<p>The Nominated Undertaker will, from the date of these assurance continue meaningful and regular engagement with the London Borough of Camden in relation to the Implementation of the provisions of paragraphs 10.1 to 10.13 above. That Engagement will include (but not be limited to) engagement on:</p> <p>10.15.1. the terms of the independent assessment, survey and evaluations to be carried out under paragraphs 10.1, 10.4 and 10.9 above;</p> <p>10.15.2. the details of any acoustic installation or ventilation mitigation to be installed and in particular having regard to the requirements in paragraphs 10.3 and 10.5 regarding compliance with HHSRS;</p> <p>10.15.3 the identification of and installation of remedial measures and mitigation under paragraphs 10.5 and 10.6.</p>	

U&A ref id	Register of undertakings and assurances	Status
1154	The Nominated Undertaker will in conjunction with the London Borough of Camden take reasonable steps to review the effectiveness of any acoustic installation or ventilation installed in accordance with this paragraph 10 during the construction period.	
2106	With respect to survey works, the Promoter will use all reasonable endeavours to avoid night-time working hours unless it is necessary for these to be undertaken during the night-time for example for safety reasons, including where surveys need to be completed in close proximity to the railway and cannot therefore be completed when trains are in operation. Where it is identified that night surveys are required and have the potential to cause disturbance, these will be discussed with the London Borough of Camden, and where reasonably practicable the local residents will be notified prior to commencement.	
2108	The Promoter has committed to minimising impacts at residential properties and their external amenity spaces, in accordance with Planning Practice Guidance. The lead contractors' Environmental Management System will include measures and processes for managing noise and vibration during construction, including any steps that would be taken when measured levels are greater than predicted.	
2109	The Promoter can confirm that it will conduct an assessment of compliance with noise thresholds six months after the start of main construction works. Furthermore, the Promoter will commence a survey within six months of the start of the works to consider health impacts experienced by residents that are attributed to noise from the construction of HS2. The results of this latter survey may be used to review the criteria of noise mitigation, noise thresholds and construction hours.	

14. Schools

U&A ref id	Register of undertakings and assurances	Status
1159	The Secretary of State will work with the Secretary of State for Education to seek, as far as reasonably practicable, to minimise delays to the consolidation of the Maria Fidelis School sites and impacts on the school. This will include quarterly review meetings between senior officials from the relevant departments and organisations (including the London Borough of Camden) to discuss progress and consider appropriate intervention. Regular reports on the progress of the work will be provided to the London Borough of Camden and Maria Fidelis School.	
1160	<p>The Secretary of State will require the Nominated Undertaker to seek reasonably practicable measures to further reduce or avoid significant effects on schools, in doing so the Promoter will continue to consult the London Borough of Camden and the schools. Such measures could include but are not limited to:</p> <p>12.2.1 the provision of acoustic installations, including glazing, and associated ventilation; 12.2.2 the provision of air handling equipment; 12.2.3 the provision of high hoardings; 12.2.4 no noisy works being carried out in the vicinity of the school during examination periods; 12.2.5 the use of additional lorry control methods and banksmen.</p>	
1161	Particular regard will be had to the effects on Maria Fidelis School if despite paragraph 12.1 the consolidation of its sites is not likely to be or has not been completed before construction of HS2 commences in the vicinity of the school.	
1162	The Secretary of State will require the Nominated Undertaker and/or its contractors, in accordance with paragraph 6(2) of Schedule 4 to the Bill, to maintain pedestrian access to and from the relevant schools during term time and normal operating hours of the relevant schools save where it is necessary to temporarily suspend access in the case of an emergency or for the implementation of traffic and pedestrian measures.	
1163	The Secretary of State will, during detailed design and during construction planning of the HS2 works in the London Borough of Camden, require the Nominated Undertaker and/or its contractors to consult the local community, the London Borough of Camden and other Stakeholders in the London Borough of Camden in order to develop the Local Traffic Management Plans (LTMPs). These LTMPs will develop mechanisms and requirements for the management of protecting school pupils and other vulnerable road users (including all pedestrians).	

U&A ref id	Register of undertakings and assurances	Status
1164	The Promoter will continue to consult the local community, local schools and the Local Education Authority to understand the potential impact of the scheme on schools and what mitigation might be provided in the event that the construction of HS2 does significantly impact the school or impact on the viability of the school.	
1165	The Secretary of State will require the Nominated Undertaker to engage with the London Borough of Camden and schools to fully understand any impacts that may occur and identify and reasonable measures to mitigate as identified within the Code of Construction Practice.	
1166	The nominated undertaker shall engage with the London Borough of Camden prior to completion of the detailed design of the traffic management associated with the construction work at Euston station and elsewhere, with a view to reducing as far as reasonably practicable any disruption caused by such works to the efficient arrival and departure of pupils, staff and other visitor to and from school premises.	
1167	The nominated undertaker shall, in accordance with the Code of Construction Practice, give reasonable advance notice of the construction works taking place around schools to the London Borough of Camden.	

15. Skills, Jobs and Businesses

U&A ref id	Register of undertakings and assurances	Status
1118	The Secretary of State will require the Promoter to actively engage with the London Borough of Camden regarding the development of a Euston construction skills centre (building, as appropriate, on the Kings Cross skills centre). Subject to agreement of full terms, to include: an audit of existing accounts (if appropriate); governance; objectives and performance measures, the Secretary of State will require the nominated undertaker to make a contribution up to a maximum of £4,100,000. ("the Contribution") towards the cost of the construction (if required), property costs, fitting out and ongoing running costs of the skills centre.	
1119	The objectives referred to in assurance 4.1 should include, but not be limited to: the provision of advice and information on finding work in the construction industry local to Euston, and the provision of training and apprenticeships relevant to the HS2 project for people who are out of work or carrying out unskilled work.	
1120	<p>On the 9th year following the opening of the construction skills centre (or earlier by agreement) the Secretary of State will consider further funding for the ongoing provision of this facility. In consideration of further funding the Secretary of State will review:</p> <p>7.3.1 Whether the objectives of the skills centre have been met</p> <p>7.3.2 Whether performance targets have been met</p> <p>7.3.3 Recommendations from the Euston Station Strategic Redevelopment Board (or equivalent)</p> <p>7.3.4 Additional funding sources including other developers operating in the Euston Area</p>	
1121	The Contribution will be payable to the London Borough of Camden and must be used solely for the purposes of funding a construction skills centre within the Euston area. The Contribution shall be paid following agreement of the full terms on the date agreed as a single payment to the London Borough of Camden in full and final settlement of any future claim by the London Borough of Camden in respect of a construction skills centre or mitigation relating to employment and training that the London Borough of Camden consider to be required as a consequence of construction of the Proposed Scheme. In the event that the Contribution or any part thereof payable pursuant to clause 7.1 of this assurance is not applied towards the purposes set out in the agreement referred to in 7.1 within fifteen years of the receipt of the Contribution to refund to the Secretary of State such unexpended contribution or part thereof (as the case may be) together with interest thereon calculated at the base rate of such Bank as to be agreed in the detailed agreement from time to time from the date of such payment until the date of repayment.	

U&A ref id	Register of undertakings and assurances	Status
1122	<p>The Secretary of State will require the Nominated Undertaker, insofar as it is lawful to do so, to consider equality of opportunity in order to encourage the recruitment of local, disadvantaged or under-represented groups in the London Borough of Camden. The Secretary of State will require the Nominated Undertaker to work with the London Borough of Camden prior to the commencement of the HS2 works to agree a target for apprenticeships in the Camden area to connect local people from the Camden area to jobs in the construction of the high speed railway in the Camden area.</p>	
1123	<p>The Secretary of State will require the nominated undertaker to consult the London Borough of Camden on the development of a business support strategy, which will be subject to review by the EIPB. This strategy will include consideration of:</p> <ul style="list-style-type: none"> a. Engagement with business pre construction b. Engagement of business during construction c. Business promotion and marketing d. Support for businesses and business operations that may be affected by the HS2 works e. Wider business support activities 	
1124	<p>The Secretary of State will provide assistance to existing businesses within the London Borough of Camden area to find suitable alternative premises as a result of needing to move due to the Proposed Scheme to find suitable alternative premises. The Secretary of State will establish an agency service at his expense (or that of his Nominated Undertaker). The agency service will:</p> <ul style="list-style-type: none"> - help firms identify their property needs; - advise firms on what suitable property might be available; and - establish close contacts with property agents, landowners, developers and local authorities to ensure that reliable and effective information is provided. <p>The agency scheme is expected to be established to commence work at last one year before construction of the main works begin.</p>	

16. Vent Shafts

U&A ref id	Register of undertakings and assurances	Status
1091	The Secretary of State will require the Nominated Undertaker to include within the scope of the independent Design Panel consideration of the design of the Adelaide Road and Alexandra Place vent shaft sites. This will include consideration for the provision of active ground floor uses at the Alexandra Place vent shaft site and green enhancements at the Adelaide Road vent shaft site.	
1092	The Secretary of State will require that the Promoter brings forward a design for consideration by the Design Panel for the Alexandra Road vent shaft site which actively considers the inclusion of ground floor uses, such as shops, in so far as it is within existing Bill Powers and does not impact the timely, economic and safe delivery and operation of the railway. The Promoter will have reasonable regard for the conclusions of the Design Panel and will provide written comments where the conclusions have not been taken forward prior to submission to the London Borough of Camden for approval under Schedule 17.	
1092.1	HS2 can confirm that the Council are the planning authority for the Alexandra Place and Adelaide Road vent shaft sites and as such can refuse to approve plans and specifications in accordance with paragraph 2 of schedule 16 to the Bill.	
2379	During the construction of the Adelaide Road ventilation shaft the Secretary of State will require the Nominated Undertaker to keep one lane of Adelaide Road open to traffic at all times with traffic light control to permit two directional flows, subject to any short term closures (typically expected to be no more than one to two days) for initial construction works and except in the case of emergency, emergency works, where a closure is necessary due to unforeseen circumstances, or otherwise with the approval or at the direction of the Highway Authority.	
2103	"The Promoter will take forward this recommendation through the development of the Local Environmental Management Plan (LEMP) and Local Traffic Management Plans, which it will develop with input from the local authority. Working hours will be agreed with the relevant local authority on behalf of local residents as part of securing the necessary consents under Section 61 of the Control of Pollution Act 1974."	