

# HS2

## Birmingham

Autumn 2023

3-month construction look ahead



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This forward look covers HS2 associated work in Birmingham.

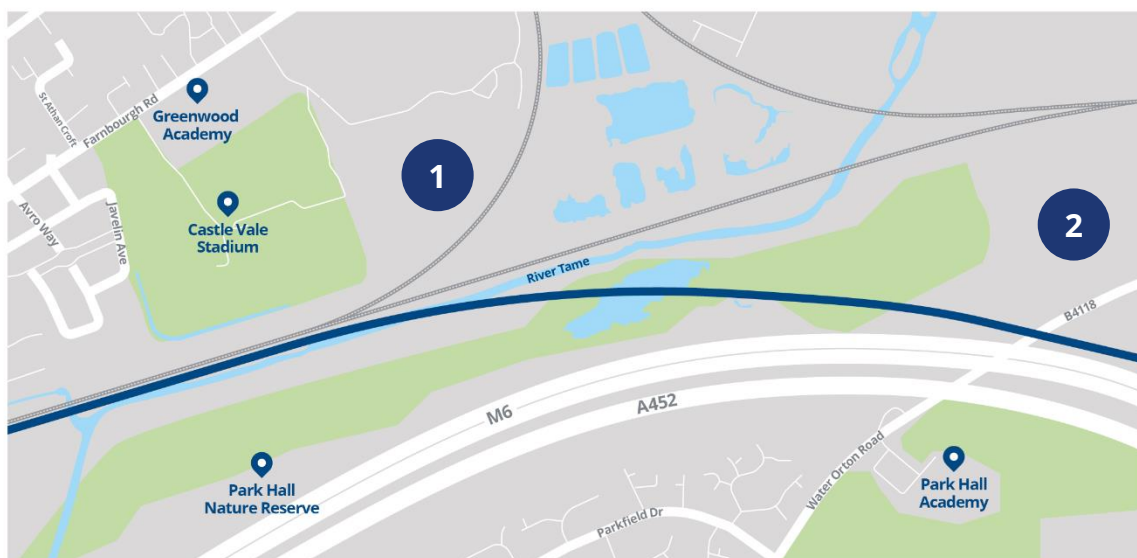
The document includes:

- A forward look at construction activities planned in the next three months
- Works to be aware of that will take place in the next 12 months, but may not yet have been confirmed

The dates and information included in the forward look are subject to change as the programme develops. These will be updated in the next edition of the forward look.

If you have any queries about the information in this forward look, the HS2 Helpdesk is available all day, every day on **08081 434 434** or by emailing **[HS2enquiries@hs2.org.uk](mailto:HS2enquiries@hs2.org.uk)**

## Map 1 – Park Hall Nature Reserve



### Key

<span style="color: green;">■</span> Parkland	<span style="color: grey;">----</span> Existing train line
<span style="color: lightblue;">■</span> Water/river	<span style="color: blue;">—</span> HS2 route Phase One underground (subject to consents)






Location of works	Proposed duration	Description of works
<b>Location 1</b>	Ongoing throughout 2023	<p>We are undertaking different types of non-intrusive ground investigation surveys, including:</p> <ul style="list-style-type: none"> <li>• Excavating 'trial holes'</li> <li>• Identifying existing underground utilities using Ground Penetrating Radar (GPR) surveys</li> <li>• Surveying existing ground levels</li> <li>• Surveying water bodies</li> <li>• Surveying bats and great crested newts</li> </ul>
<b>Location 2</b>	Ongoing throughout 2023	<p>We are delivering preparatory work for tunnelling at the east portal in June 2023, including:</p> <ul style="list-style-type: none"> <li>• Continuing with surface plant installation</li> <li>• Assembling the first Tunnel Boring Machine (TBM) inside the open cut</li> </ul> <p>We will begin tunnelling from June 2023 onwards, including:</p> <ul style="list-style-type: none"> <li>• Beginning the first drive which will include on surface logistic activities (deliveries of concrete segments and various consumables)</li> </ul>

		<p>for the TBM and surface plants, muck away operations)</p> <ul style="list-style-type: none"> <li>• Delivering the parts of the second TBM and assembly</li> <li>• Delivering of the parts of the second STP and assembly</li> </ul>
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## Map 2 – Castle Bromwich/Bromford



### Key

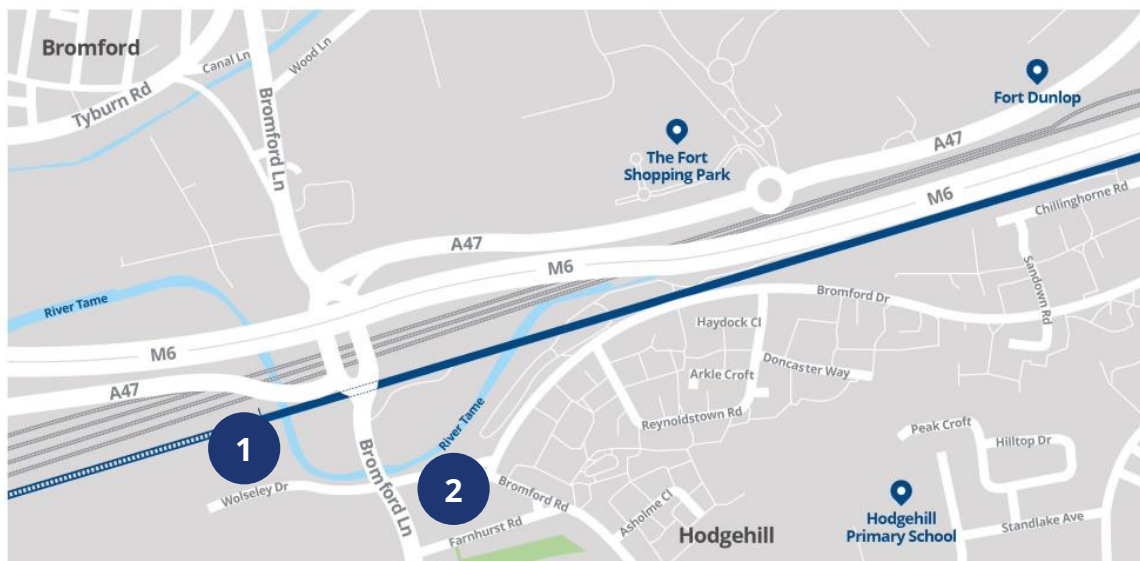
 Parkland	 Existing train line	 HS2 route indication
 Water/river	 HS2 route Phase One underground	

Location of works	Proposed duration	Description of works
<b>Location 1</b>	Ongoing throughout 2023	<p>We are undertaking different types of non-intrusive ground investigation surveys, including:</p> <ul style="list-style-type: none"> <li>• Excavating 'trial holes'</li> <li>• Identifying existing underground utilities using Ground Penetrating Radar (GPR) surveys</li> <li>• Surveying existing ground levels</li> <li>• Surveying water bodies</li> </ul>

<b>Location 2</b>	Ongoing throughout summer 2023	We will continue to divert existing utilities before starting the tunnelling works. From June 2023, we will be carrying out utility diversions (gas) on the A452 Chester Road (between Tameside Drive and Spitfire Island). There will be some traffic management associated with these utility diversions including lane closures. Access to A452 Chester Road will be maintained at all times
<b>Location 3</b>	Ongoing throughout project	<p>We will continue the construction of a diaphragm wall for the tunnel shaft. As we undertake this work, we will also be improving the soil that we excavate. Where necessary, this may involve taking unsuitable soil off-site to specialist soil treatment facilities.</p> <p>We will start to construct the retaining walls that will support a future tunnel shaft at this location. The tunnel shaft will be used as an entry and exit point to the tunnel for maintenance and emergencies. The retaining walls will be made of concrete and be built in deep excavated trenches</p> <p>We are delivering work to build the M6 Viaduct throughout 2023, including:</p> <ul style="list-style-type: none"> <li>• Diverting utilities throughout summer and autumn 2023</li> <li>• Completing enhancement works from June 2023 for around a year</li> </ul> <p>Throughout the project, we will undertake monitoring of the M6 Viaduct. We will be installing and maintaining monitoring equipment with our subcontractors</p>
<b>Location 4</b>	Ongoing until summer 2023	<ul style="list-style-type: none"> <li>• Continuing surveys to identify hazards prior to deep excavation works</li> <li>• Building reinforced concrete working platforms on the site to construct the Bromford Tunnel Intermediate shaft. These will facilitate our cranes and diaphragm wall equipment</li> <li>• Improving the soil that we excavate. Where necessary, this may involve taking unsuitable soil off-site to specialist soil treatment facilities</li> </ul>

<b>Area Wide</b>	Ongoing throughout 2023	<ul style="list-style-type: none"> <li>We will continue to divert existing utilities before starting the tunnelling works. This will include gas, electricity cables and water pipes, in and around the Bromford area. There may be some traffic management associated with these utility diversions</li> </ul>
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## Map 3 – Bromford



### Key

Parkland	Existing train line	HS2 route Phase One overground
Water/river	HS2 route Phase One underground	HS2 route indication

Location of works	Proposed duration	Description of works
<b>Location 1</b>	Ongoing until Winter 2023	We will be constructing the diaphragm wall which will support the Bromford Tunnel West Portal. We will build the diaphragm wall by excavating the ground with large machinery in a series of sections. We will stabilise each section with a specialised fluid to support the ground before we then fill it with concrete

<b>Location 2</b>	Ongoing throughout 2023	<p>We will be carrying out a series of surveys, including drainage inspections and the excavation of 'trial holes' to locate existing underground utilities near to our construction works</p> <p>These surveys will help us to plan where utility diversions will be required as we prepare to construct the railway in Birmingham</p> <p>To be able to carry out these inspections safely and effectively, we will need to put in place temporary traffic management measures which may include temporary traffic lights, and lane or road closures</p> <p>Drainage inspections involve lifting manhole covers and using a sewer camera to examine the underground pipes</p> <p>To complete our utility trial hole inspections, we will use hand digging tools, as well as a vacuum excavator, which uses compressed air to loosen or agitate the ground. Once the surveys are carried out, we will backfill all trial holes</p>
<b>Area Wide</b>	Ongoing throughout 2023	<p>We will continue to divert existing utilities ahead of starting the tunnelling works. This will include gas, electricity cables and water pipes, in and around the Bromford area. There may be some traffic management associated with these utility diversions</p>

## Map 4 – Washwood Heath



### Key

Parkland	Existing train line	HS2 route Phase One overground
Water/river	HS2 route Phase One underground	

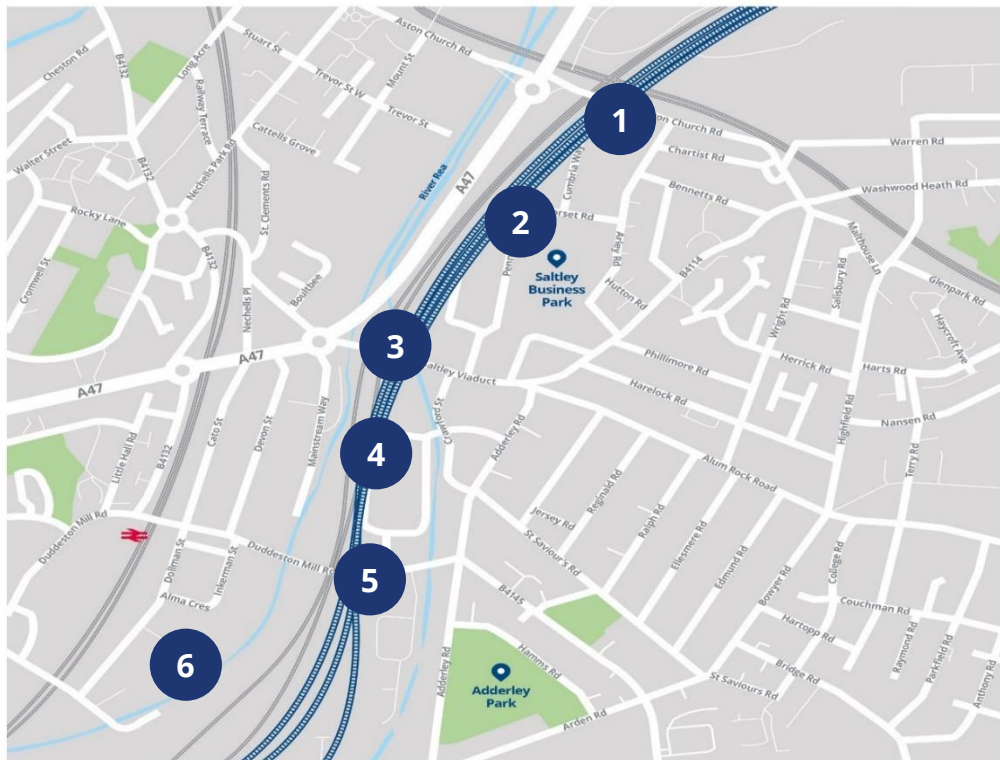
Location of works	Proposed duration	Description of works
<b>Location 1</b>	<p>Ongoing until Winter 2023</p> <p>Excavation ongoing until Spring 2025</p>	<ul style="list-style-type: none"> <li>We will be constructing a diaphragm wall to support the tunnel portal and retained cut, with second piling works to start in Autumn 2023 - Winter 2024</li> <li>Building the diaphragm wall by excavating the ground with large machinery in a series of sections. Each section will be stabilised with a specialised fluid to support the ground before it is then filled with concrete</li> <li>Intermediate concrete slab works will be done in Autumn 2023, after we will resume excavations</li> <li>Once the diaphragm walls are complete, we will be excavating to open up the portal for the tunnel boring machines to arrive. This</li> </ul>



		<p>will form the track bed to rise the rails back up to ground level</p> <ul style="list-style-type: none"> <li>To remove this material, we will be using a combination of traditional excavating equipment and specialised mining equipment working below ground level</li> </ul>
<b>Location 2</b>	Ongoing for the duration of construction	<ul style="list-style-type: none"> <li>Our onsite concrete batching plant will be providing all the required concrete for the BBV sites in Birmingham. Due to the size of the structures that are being constructed, it is anticipated that some of the concrete activities will need to take place outside of core working hours</li> </ul>
<b>Location 3</b>	Ongoing until Winter 2023	<ul style="list-style-type: none"> <li>We will be diverting Wash Brook which flows through the Washwood Heath site to allow us to build the HS2 structures</li> <li>The brook flows through the site through a mixture of open channels and underground pipes, known as a culvert. The pipes channel the Wash Brook into the River Rea</li> <li>The brook is currently in the path of the HS2 structures so needs to be diverted to allow enough room for construction</li> <li>We will divert the brook by constructing new channel openings and culverted sections. To carry out the work we will be using equipment such as cranes, piling rigs, diggers and dump trucks</li> </ul>
<b>Area Wide</b>	Ongoing throughout 2023	<p>We will be undertaking various earthworks in this area</p> <ul style="list-style-type: none"> <li>As we prepare to build the railway, we will need to start preparing the ground for the foundations. To do this we will need to excavate the foundations from the previous site buildings until winter 2023</li> <li>Drainage inspections involve lifting manhole covers and using a sewer camera to examine the underground pipes</li> <li>To complete our utility trial hole inspections, we will use hand digging tools, as well as a vacuum excavator, which</li> </ul>

		<p>uses compressed air to loosen or agitate the ground. Once the surveys are carried out, we will backfill all trial holes. These surveys will help us to plan where utility diversions will be required as we prepare to construct the railway in Birmingham</p> <ul style="list-style-type: none"> <li>• We will continue to divert existing utilities including gas, electricity cables and water pipes, in and around the HS2 Washwood Heath site until late 2023</li> <li>• As we dig up the existing ground, we will apply a number of different remediation techniques to improve the ground and make it suitable for the new buildings to be built</li> <li>• These specialised techniques include screening of the soil to remove lumps of concrete, bioremediation to remove contamination of soils by fuels and oils, and hand picking under controlled conditions to remove asbestos contamination</li> </ul>
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## Map 5 - Saltley



### Key

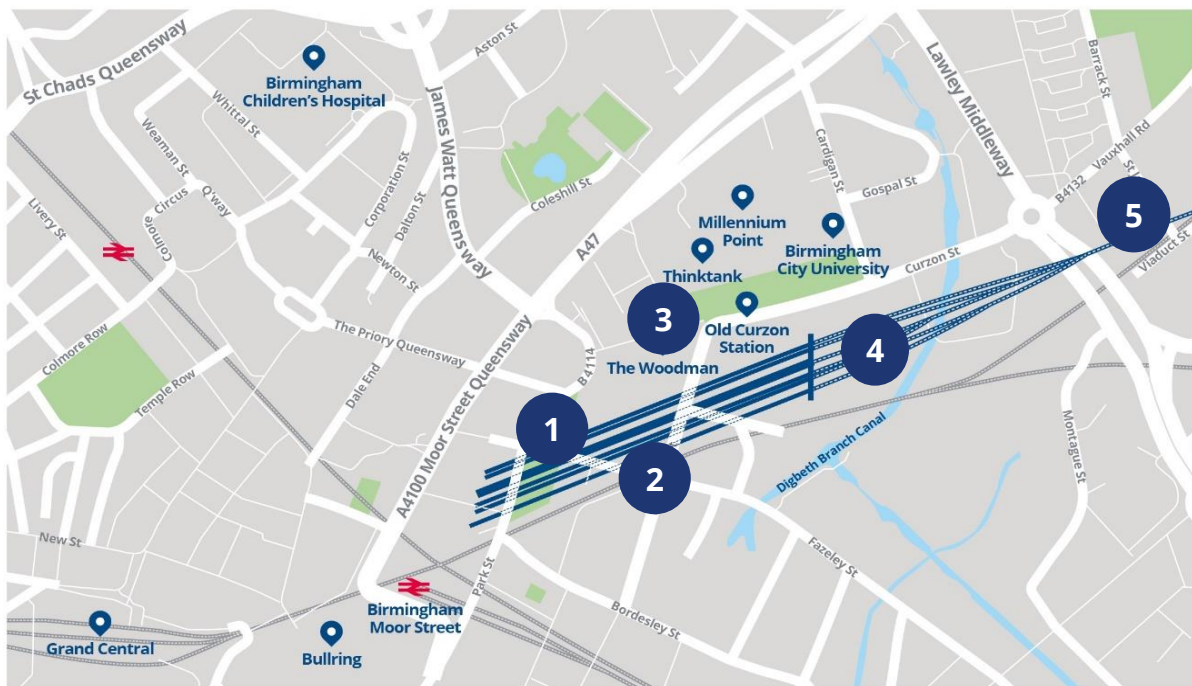
	Parkland		Rail station		HS2 route Phase One underground
	Water/river		Existing train line		HS2 route Phase One overground

Location of works	Proposed duration	Description of works
<b>Location 1</b>	Ongoing throughout 2023	<p>At Aston Church Road Overbridge, excavations will continue for the substructures</p> <p>Reinforced concrete works will continue at all three substructures with pile caps and wall construction</p> <p>Fabrication of the deck steelwork will continue offline, followed by construction of the reinforced concrete deck</p> <p>Preparation works will continue for the bridge deck installation next year, including platform preparation</p>
<b>Location 2</b>	Ongoing throughout 2023	<p>Platform preparation works will be undertaken for Saltley Retained Fill ready for auger piling for wall foundations in 2024</p> <p>Preparation works will also continue for the River Rea Overflow Channel with sheet piling works commencing</p>
<b>Location 3</b>	Ongoing throughout 2023	<p>We will continue to set up our worksites at Saltley during 2023. The next phase of preparation works will be focused on land located close to the existing Saltley Viaduct in order to prepare for construction of the Saltley Viaduct and the Saltley Canal Underbridge</p> <p>As we set up our worksites, we will be erecting hoarding to protect members of the public from the construction work</p> <p>For Saltley Viaduct we will commence preparation of platforms and commence auger piling for substructure foundations</p> <p>For Saltley Canal Underbridge we will commence works local to the existing tow path including a temporary pontoon walkway</p> <p>Sheet piling works will be undertaken local to the canal towpath to facilitate excavation works</p>
<b>Location 4</b>	Ongoing throughout 2023	Piling works are continuing for the foundations of the Saltley Retained Fill

		<p>Excavation and cropping works are continuing and reinforced concrete works for pile cap construction also continues</p> <p>As the year progresses, the reinforced concrete works will progress from pile caps and onto the retaining walls</p>
<b>Location 5</b>	Ongoing throughout 2023	<ul style="list-style-type: none"> <li>• Delivery of the bridge deck in September 2023 and embankment works to commence. Embankment works will support the new track lane for Duddeston Mill Road Viaduct</li> <li>• Piling works are ongoing to create the foundations for Duddeston Junction Viaduct/Curzon Viaduct 1&amp;2. After these are complete, we will carry out pile caps works and install the piers</li> </ul>
<b>Location 6</b>	Ongoing throughout 2023	<ul style="list-style-type: none"> <li>• Undertaking work to divert existing utility services at this location until late 2023 and deliver enabling works before piling works in October 2023</li> </ul>
<b>Area Wide</b>	Ongoing throughout 2023	<p>We will be carrying out a series of surveys, including drainage inspections and the excavation of 'trial holes' to locate existing underground utilities near to our construction works throughout 2023</p> <p>These surveys will help us to plan where utility diversions will be required as we prepare to construct the railway in Birmingham</p> <p>To be able to carry out these inspections safely and effectively, we will need to put in place temporary traffic management measures which may include temporary traffic lights, and lane or road closures</p> <p>Drainage inspections involve lifting manhole covers and using a sewer camera to examine the underground pipes</p> <p>To complete our utility trial hole inspections, we will use hand digging tools, as well as a vacuum excavator, which uses compressed air to loosen or agitate the ground. Once the surveys are carried out, we will backfill all trial holes</p>

		We will continue to divert existing utilities including gas, electricity cables and water pipes, in and around the Saltley Area, including Saltley Viaduct, Cranby Street and Crawford Street throughout 2023
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## Map 6 - HS2 Curzon Street Station site



### Key

Parkland	Rail station	HS2 route Phase One overground
Water/river	Existing train line	HS2 route Phase One underground
HS2 route indication		

Location of works	Proposed duration	Description of works
<b>Location 1</b>	Ongoing throughout 2023	<ul style="list-style-type: none"> <li>Continuing to prepare the site for the construction of the HS2 Curzon Street Station and the railway; including utility diversions and ground remediation works</li> </ul>

		<ul style="list-style-type: none"> <li>• We will continue to divert existing utilities including gas, electricity cables and water pipes, in and around the HS2 Curzon Street Station site</li> <li>• Delivering utility works within site boundaries and public roads and footpaths that border the HS2 Curzon Street station site including on Fazeley Street, New Canal Street, Masshouse Lane and Curzon Street</li> </ul>
<b>Location 2</b>	Ongoing throughout 2023	<ul style="list-style-type: none"> <li>• Delivering utility diversions and connections at the New Canal Street/Fazeley Street junction and site wide</li> <li>• We will continue to carry out these utility diversions in preparation for the new utility connections and testing and commissioning</li> <li>• Once complete, these works areas (on roads and footpaths) will be tarmacked and reinstated</li> </ul>
<b>Location 3</b>	Ongoing throughout 2023	<ul style="list-style-type: none"> <li>• Refurbishing the grade 1 listed former Curzon Street Station building</li> </ul>
<b>Location 4</b>	Ongoing until Winter 2025	<ul style="list-style-type: none"> <li>• Creating the piers that will support the viaducts leading to the new Curzon Street Station</li> <li>• Constructing the deck of the new viaducts</li> <li>• Assembly of the steel deck over Lawley Middleway</li> </ul>
<b>Location 5</b>	Ongoing until Winter 2024	<ul style="list-style-type: none"> <li>• Starting to install pile caps and creating the piers that will support the viaducts leading to the new Curzon Street Station</li> </ul>
<b>Area-wide</b>	Ongoing throughout 2023	<ul style="list-style-type: none"> <li>• Undertaking a range of utility diversions in the area</li> </ul>

# Our Community Commitments

Our aspiration is to be a good neighbour every single day, by respecting the people and communities we impact and being sensitive to their needs, earning our social licence to operate.

To build the railway, we must earn the trust and credibility to do so. We need to demonstrate that we understand local concerns, and that we have taken all reasonable steps to address issues that have been raised, whilst continually looking to lessen the impacts of the project.

Through our Community Engagement Strategy and Residents' Charter we have identified ten Community Commitments which we will use as the basis for measuring our success, and that of our suppliers, in how we deliver the new railway.

## We will:

1. Continue to build respectful, long-term relationships with communities and actively encourage our workforce to listen to local concerns and be considerate and accountable for their actions at all times.
2. Work with communities to develop local two-way engagement and communication programmes, ensuring they are accessible and tailored to local needs.
3. Make sure communities are made aware in advance of any activities taking place in their area.
4. Operate a Freephone Community Helpline 24 hours a day, 365 days a year.
5. Make health and safety a priority for communities and our workforce.
6. Respect the wellbeing of communities, minimising disruption to their lives with local mitigation plans and activities, ensuring we meet the standards set out in the Code of Construction Practice.
7. Leave a positive and sustainable legacy for the communities in which we operate.
8. Respond to questions and complaints quickly and efficiently, with an acknowledgement within two working days, and responding within a maximum of 20 working days if we cannot answer the query straight away.
9. Promote awareness of all our property schemes so that anyone who may be eligible has all the information they need and is aware of the support available to them.
10. Display the Residents' Commissioner and Construction Commissioner's contact details on all relevant materials, along with the HS2 Helpline information and complaints procedure.



The Code of Construction Practice forms part of the Secretary of State's Environmental Minimum Requirements for the construction of the railway from London to the West Midlands. It sets out the standards and responsibilities to protect communities and the environment during construction. A copy of the Code can be found online here:

**[www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/593592/Code\\_of\\_Construction\\_Practice.pdf](http://www.gov.uk/government/uploads/system/uploads/attachment_data/file/593592/Code_of_Construction_Practice.pdf)**

# Keeping you informed

We are committed to keeping you informed about work on HS2. This includes ensuring you know what to expect and when to expect it, as well as how we can help.

## Residents' Charter and Commissioner

The Residents' Charter is our promise to communicate as clearly as we possibly can with people who live along or near the HS2 route.

[www.gov.uk/government/publications/hs2-residents-charter](http://www.gov.uk/government/publications/hs2-residents-charter)

We also have an independent Residents' Commissioner whose job is to make sure we keep to the promises we make in the Charter and to keep it under constant review. Find reports at:

<https://www.gov.uk/government/collections/hs2-ltd-residents-commissioner>

You can contact the Commissioner at:  
[residentscommissioner@hs2.org.uk](mailto:residentscommissioner@hs2.org.uk)

## Construction Commissioner

The Construction Commissioner's role is to mediate and monitor the way in which HS2 Ltd manages and responds to construction complaints. You can contact the Construction Commissioner by emailing:

[complaints@hs2-cc.org.uk](mailto:complaints@hs2-cc.org.uk)

## Property and compensation

You can find out all about HS2 and properties along the line of route by visiting:

[www.gov.uk/government/collections/hs2-property](http://www.gov.uk/government/collections/hs2-property)

Find out if you're eligible for compensation at:

[www.gov.uk/claim-compensation-if-affected-by-hs2](http://www.gov.uk/claim-compensation-if-affected-by-hs2)

## Holding us to account

If you are unhappy for any reason, you can make a complaint by contacting our HS2 Helpdesk team. For more details on our complaints process, please visit our website:

[www.hs2.org.uk/how-to-complain](http://www.hs2.org.uk/how-to-complain)

## Contact Us

Contact our HS2 Helpdesk team all day, every day of the year on:

 Freephone **08081 434 434**

 Minicom **08081 456 472**

@ Email **HS2enquiries@hs2.org.uk**

Write to:

**FREEPOST**

**HS2 Community Engagement**

Website [www.hs2.org.uk](http://www.hs2.org.uk)

To keep up to date with what is happening in your local area, visit:  
**[www.HS2inyourarea.co.uk](http://www.HS2inyourarea.co.uk)**

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