



# **HS2 Phase One Planning Forum – Highways Sub-group**

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Meeting #1

17 September 2014



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# Welcome and introductions

Phil King – Area Planning Manager  
HS2 Ltd

# Welcome and introductions

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- Welcome
- Introductions
- Plan for the day
- Confirmation of agenda

# Agenda

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- Welcome and introductions
- Draft Terms of Reference and overview
- Ground Investigation and highways consents
- Future work programme
  - Local highway authority additional requests
- Chair of future meetings
- Any other business
- Date and venue for next meeting



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# Draft Terms of Reference and overview

Richard Adam

# Draft Terms of Reference and overview

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Draft Terms of Reference (circulated by HS2 Ltd)

- Membership
- Purpose
- Matters excluded from remit
- Meetings

Overview

# Draft Terms of Reference – Membership

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- HS2 Ltd staff
- Department for Transport representatives
- Local highway authority officers
- Highways Agency observers (optional)

# Draft Terms of Reference – Purpose

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The Highways Sub-group of the HS2 Phase One Planning Forum has been established to:

- facilitate engagement between members of the sub-group on matters related to local highway authority roads and public rights of way
- reach agreement on a common approach to route-wide principles, standards, practices and processes associated with highway consents and approvals
- present recommendations on highway-related planning consents and approvals to the Planning Forum

The nature of matters to be addressed by the sub-group may evolve as the project develops.



# Draft Terms of Reference – Matters excluded

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It is not the purpose of the Highways Sub-group to discuss the following:

- petition issues related to the hybrid Bill provisions, which are to be determined through the Parliamentary process
- location-specific design and mitigation issues, which will be considered through bilateral meetings

# Draft Terms of Reference – Meetings

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The sub-group will meet as necessary (initially expected to be at approximately six-weekly intervals) and will elect one of its members to chair its meetings. HS2 Ltd will provide secretariat support to the sub-group.

The business of each meeting will include:

- Agree record of previous meeting
- Review of progress and actions, including any updates from the Planning Forum
- Discussion of topics as listed on agenda
- Agreeing actions, action owners and target dates
- Time, place and draft agenda for next meeting

Members are requested to provide material for discussion through the secretariat at least ten days in advance of the meeting in order for the agenda to be finalised and attachments circulated.

# Draft Terms of Reference – Overview

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- Common approach
- Collaborative working

In summary:

- What can HS2 Ltd do to help you help us?
- What can you do to help HS2 Ltd help you?



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# Ground Investigation and highways consents

Peter Tomlin

# Ground Investigations

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## Typical scope

Cable Percussion Hole	20m of 1 lane	5 days
Observation Pit	footpath only or 20m of 1 lane	3 days
Trial trench	Ground penetration radar	1/2 day
Pavement Core	10m of 1 lane	2 hours
Dynamic Probing	adjacent to observation pit	1 hour

# GI priority locations

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Euston  
Transport for London  
LB Camden

Northholt Tunnels  
Transport for London  
LB Ealing  
LB Hillingdon

Bromford Tunnels  
Castle Bromwich  
Birmingham  
Birmingham

M6 (under viaduct)  
Highways Agency

# GI consents

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## Ground investigations applications S 171 Highways Act

### Application

Proforma

Method statements

Payment

Timing and duration  
of works

Temporary traffic  
management layouts

TROs/Suspensions

### Mini-traffic management plan

Draft CoCP

Draft LEMPs

### Impact Assessment

Strategic roads

# Traffic Management Plan development

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Mini TMP for GI

Route-wide TMP



Local highway authority  
TMP



As necessary, site specific  
plan to inform construction  
methods and constraints



# Traffic Management Plan contents

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Transport planning  
and logistics

The movement of people and construction materials to deliver the project. Ensuring safety. Mitigating environmental impacts.

Traffic engineering

Procedures for consents and carrying out works on the highway. Managing temporary highway works. Safety audit process

Highway management

Managing and protecting highway assets. Protocols such as winter maintenance.



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# Future work programme

Richard Adam

# Future work programme (1)

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Provisional list for next six meetings:

- Hybrid Bill – Traffic consents and approvals
- Hybrid Bill – Highway consents and approvals
- Hybrid Bill – Other aspects
- Design basis for roads
- Design basis for public rights of way
- Design submissions ('Plans and specifications')

# Future work programme (2)

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## Meeting 2: Hybrid Bill – Traffic consents and approvals

- Schedule 4 Part 1 – Highway accesses
- Schedule 16 – Road traffic (routes)
- Schedule 16 – Mud control measures
- Schedule 24 – Lorry ban orders

## Meeting 3: Hybrid Bill – Highway consents and approvals

- Schedule 4 Part 2 – Interference
  - Temporary interference
  - Permanent interference
- Schedule 4 Part 3 – Plans and specifications
- Schedule 23 – Street works disapplications

# Future work programme (3)

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## Meeting 4: Hybrid Bill – Other aspects

- Schedule 16 – Planning (as consultees)
- Schedule 4 Part 3 – Maintenance
- Schedule 31 – Protective provisions
- Works outside Act limits

## Meeting 5: Design basis for roads

- As appropriate to each location, including:
  - Design Manual for Roads and Bridges (DMRB)
  - Highway authority design standards
  - Manual for Streets / Manual for Streets 2
  - HS2 'Rural road design criteria'
- Departures from standard

# Future work programme (4)

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**Meeting 6:** Design basis for public rights of way

- HS2 'PRoW design criteria'

**Meeting 7:** Design submissions

- Scheme drawings
- Road safety / NEMU audits
- Technical approval of highway structures
- Standard detail drawings
- Specification for Highway Works (SHW)

## Future work programme (5)

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- Meeting order is flexible
- Local highway authority additional requests welcome



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# Chair of future meetings

Phil King



# Chair of future meetings

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- Terms of Reference require election of sub-group member as chair
- In addition to being an experienced chair
  - Needs good understanding of traffic and highway consents and approvals
  - Needs good understanding of highway design issues
  - Must be willing to limit discussion to topics covered by Terms of Reference (i.e. avoiding matters excluded from remit)
- Volunteers or nominations welcome



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**Any other business**



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# Date and venue for next meeting

Richard Adam