

HS2

Highway Planning Forum

Highway Subgroup

19th September 2018

HS2

Introductions

Chair

HS2

Review of notes and actions from last meetings

Chair

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Highway Condition Survey update

Peter Tomlin, HS2 Ltd

Highway condition survey update

Scope and programme

| Data | Surveys |
|------------------------|---|
| Traffic | Counts |
| Construction/inventory | Video GPR |
| Shape/Visual | Scanner Visual condition information |
| Structural | Coring Deflectograph |
| Friction | Skid resistance SCRIM |

- Highways condition surveys due to complete November – round 3 of SCRIM and finish coring.
- Interim report prepared, but needs additional data to be included in the Pavement Management System
- Hand over to contractors to take a view as to what risks are likely with project delivery.



Highway condition survey update

Overall current state of the road network (provisional)

| | Pavement structural condition | Pavement surface condition |
|-----------|-------------------------------|----------------------------|
| Sound | Sound | Sound |
| At risk | Adequate | Adequate |
| High risk | Inadequate | Inadequate |



Highway condition survey update

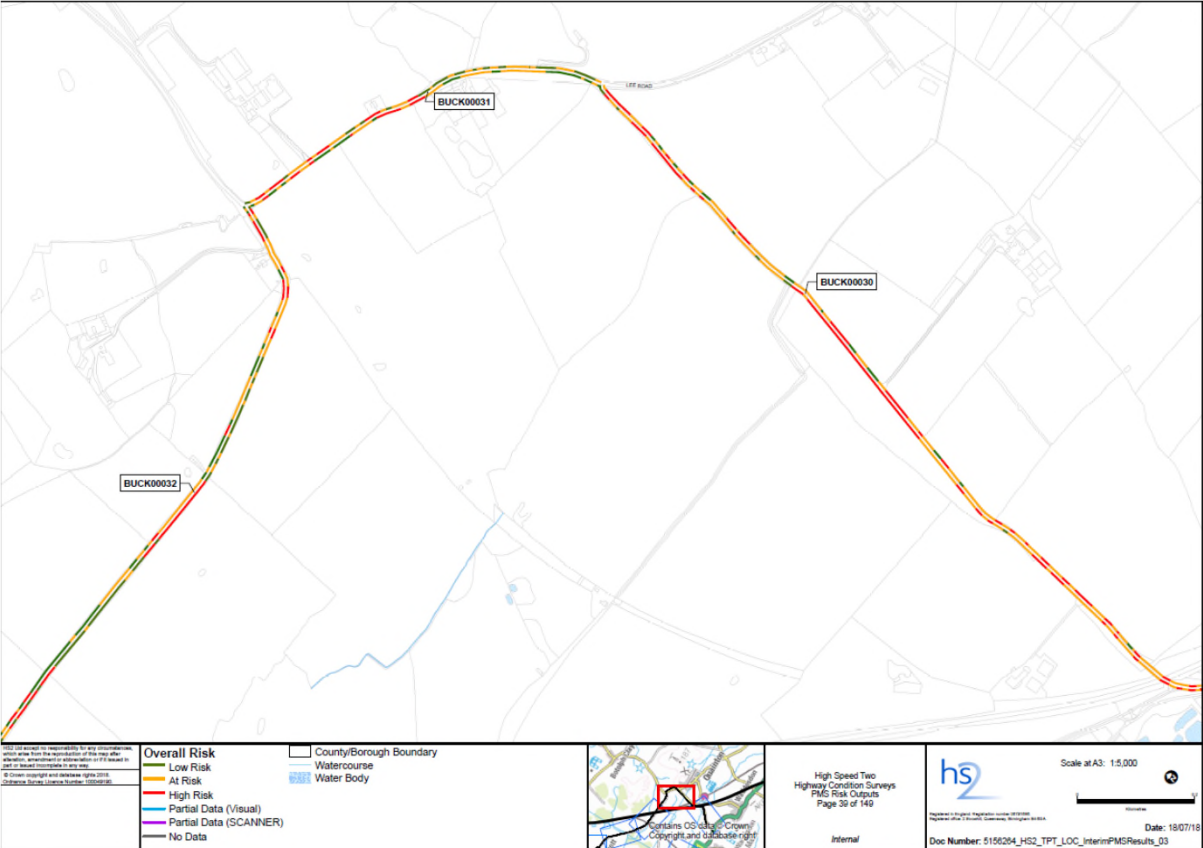
Overall state of the road network (provisional)

| | Sound | At risk | High risk | Not surveyed |
|------------------------------------|----------|----------|-----------|--------------|
| Overall indicator of pavement risk | 56.1% | 35.2% | 6.7% | 2.0% |
| | 302.2kms | 189.9kms | 35.9kms | 10.9kms |



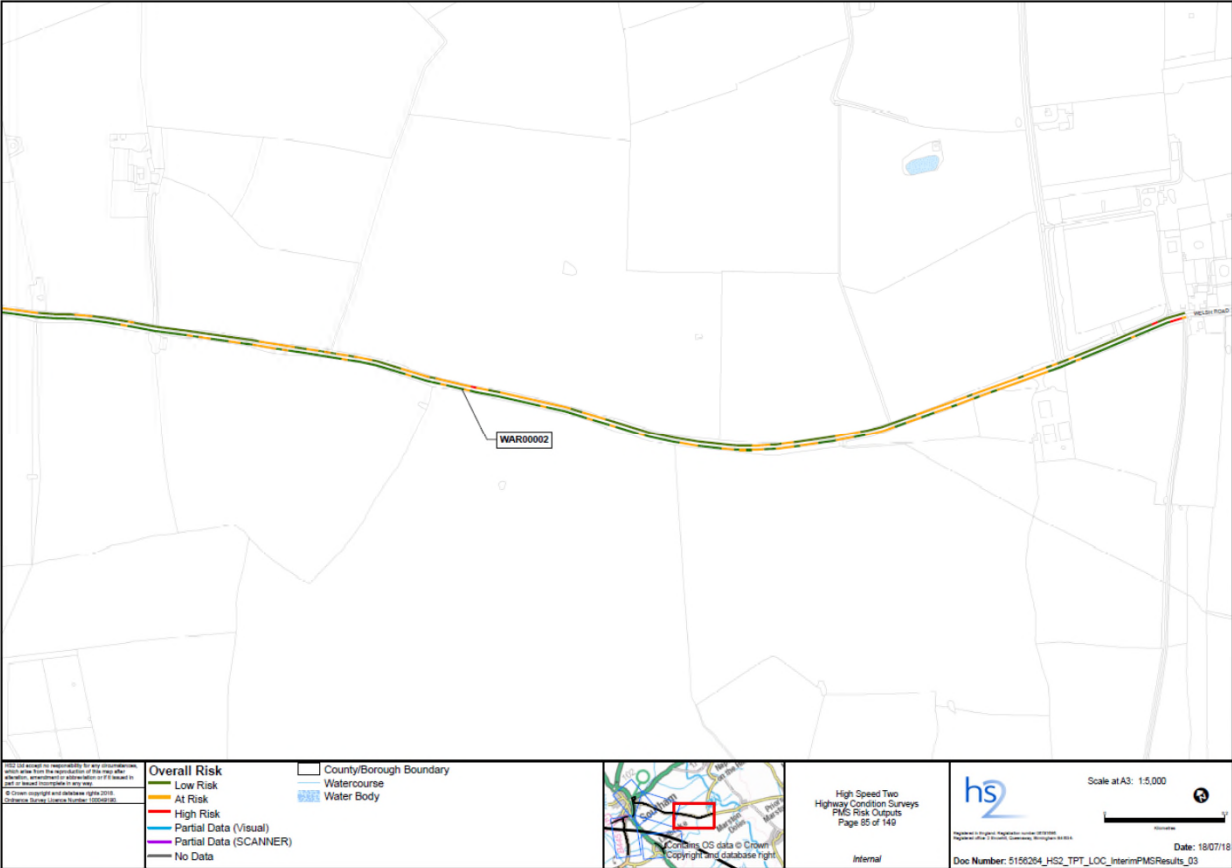
Highway condition survey update

Site specific state of the road network



Highway condition survey update

Site specific state of the road network



Highway condition survey update

Further consideration

- Baseline surveys on additional lorry routes proposed by contractor

Future surveys

Further surveys will be undertaken in consultation with the relevant highway authority (for scope and timing) and identify any proposed remedial work which will be required.

These work could then be undertaken by the Principal Contractor or via funding to the relevant highway authority.

It may be the case that some preventative works could be required to the carriageway prior to commencement of construction where there could be rapid deterioration. Major reconstruction would negate the need for further pavement condition surveys.



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Technical Standards – update

Richard Adam, HS2 Ltd

Technical Standards

Response sheet issued following meeting #29 (13/06/2018):

- **Roads** (version P04) – 10/09/2018

Response sheet in preparation:

- **Bridge Design Basis** (version P06) – need for update to be confirmed

Documents being updated, as advised at meeting #29 (13/06/2018):

- **Public Rights of Way** (version P04) – work ongoing
- **Highway and Access Drainage** (version P04) – nearly ready for circulation
- **Temporary Works** (version P04) – awaiting new revision of BS 5975 (due October 2018)
- **Retaining Structures** (version P05) – nearly ready for circulation



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Guidance notes – update

Richard Adam, HS2 Ltd

Guidance Notes (1)

Response sheets issued following meeting #29 (13/06/2018):

- **Highway-related Departures** (version P03) – 10/09/2018
- **Stopping-up of Highways** (version P01) – 10/09/2018

Documents being updated:

- **Road Safety Audits** (version P03) – on internal review

Documents being updated, as advised at meeting #29 (13/06/2018):

- **Technical Approval of Highway Structures** (version P02) – work ongoing
- **Highway Earthworks Approvals / Certification** (version P02) – work ongoing
- **Technical Approval of Temporary Works with Highways Interface** (version P02) – awaiting new revision of BS 5975 (due October 2018)



Guidance Notes (2)

Documents to be updated in due course, as advised at meeting #29 (13/06/2018):

- **Stopping-up of Highways** (version P02) – to be circulated for review / comment when ready
- **Bridge Maintenance Demarcation Lines** (version P03) – improved illustrations in preparation

New documents to be drafted, as advised at meeting #29 (13/06/2018):

- **Handover Packages for Highway Authorities** (version P01) – to be circulated for review / comment when ready
- **Car and Cycle Parking** (version P01) – to be circulated for review / comment when ready



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Forms

Richard Adam, HS2 Ltd

Forms (1)

Response sheets issued following meeting #29 (13/06/2018):

- **Form HW1** (version P03) – 10/09/2018
- **Forms HW0, HW8 and HW9** (version P01) – 10/09/2018

Updated document issued for review / comment following meeting #29 (13/06/2018):

- **Form HW2** (version P02) – 10/09/2018

Documents being updated:

- **Form HW1** (version P04)
- **Forms HW3 and HW12** (version P03)
- **Forms HW4, HW5, HW10 and HW11** (version P02)

New document ready for issue:

- **Form HW16** (version P01) 'Request for Resolution of Dispute by Secretary of State'



Forms (2)

New documents in preparation:

- **Form HW15** 'Agreement to Retaining Temporary Highway Works as Permanent Improvement'
- **Form BR1** 'Advance Agreement of Approval in Principle (AiP) of Highway Structures'
- **Form TM2** 'Commencement notice/extension of works/minor changes/emergency works'
- **Form TM3** 'Notice of reinstatement'

New documents to be prepared, if required, as advised at meeting #29 (13/06/2018):

- **Form HW6** 'Application for stopping up of bridleways or footpaths not listed in Schedule 4, Part 4, Table 1 or 2'
 - **Form HW7** 'Consent for permanent obstruction'
 - **Form HW13** 'Consent for deposition of soil or material, storage of plant or erection / retention of scaffolding, etc.'
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Feedback from Local TLG meetings

Highway authorities

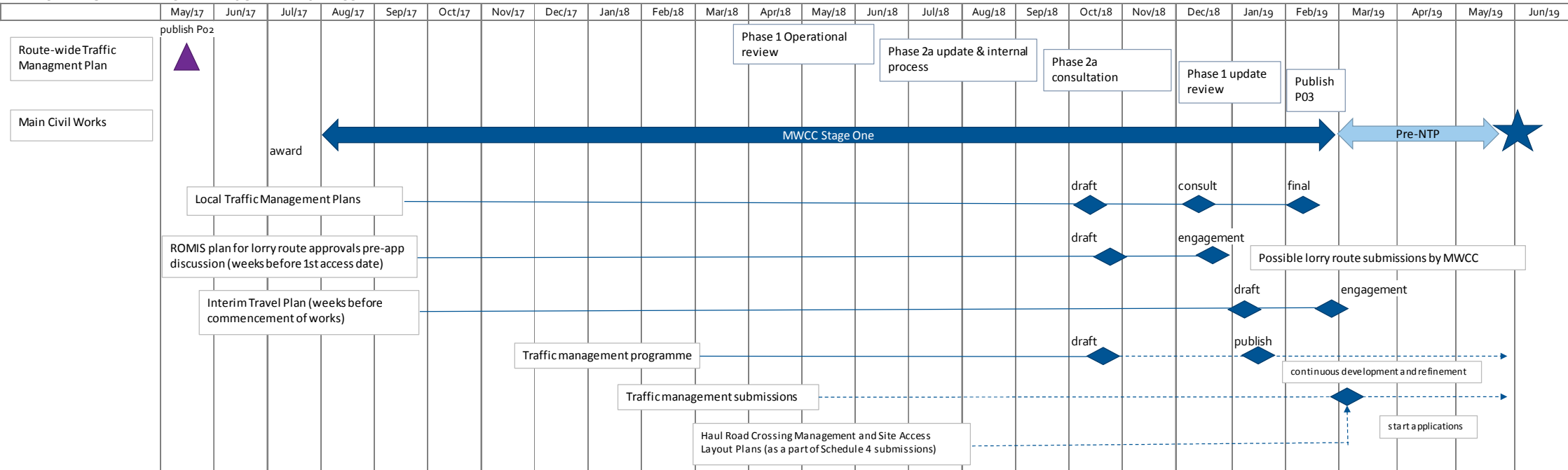
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Forward Plan

Richard Adam and Peter Tomlin, HS2 Ltd

Forward plan

TRAFFIC MANAGEMENT INDICATIVE PROGRAMME TO MWCC NTP



Forward plan



HS2

AOB

All

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EToN update/Street Manager

Peter Tomlin, HS2 Ltd

EToN update

Current Act requirements

| | NRSWA authorities | TMA authorities |
|---|--|--|
| Street works in Act limits | Disapplications of NRSWA applies | Disapplication of permits applies and therefore fall back on NRSWA |
| Street works outside Act limits | Normal regime | Normal regime |
| Temporary interference in out of Act limits | Schedule 4 (and 33 protective provisions) apply. The duty to place notices is that of the highway authority. Potential to be a new burden. | |



EToN update

Development of EToN capability for noticing Temporary Interference

- Contractors required to notice Street Works, but generally devolved and HS2 contractors do not have access to EToN.
- Update to Contract to voluntarily place notices using EToN for temporary interference
- HS2 has put in place a short-term noticing capability via Itertek for temporary interference
- EToN being replaced by Street Manager. This co-incides with the current NTP for Main Civil Works.
- Street Manager roll out will be Public Beta as separate system to EToN 2019
- Street Manager full operation 2020 and the technical specification to EToN withdrawn
- Potential for Street Manager to have an “HS2 button” to apply HS2 rules.
- All authorities will be permitting authorities?
- HS2 does not want to fund contractors to set up/be EToN capable for a year.



EToN update

Issue of double handling

- Contractors are only required to consult or seek consent for temporary interference. Highway Authorities want submissions to be to their HS2 team, not their Street Works team. Therefore by asking for voluntary EToN notices to their street works team. Contractors would need to double handle applications as need to tie-in the schedule 4 submission with their EToN notice.
- If contractors use Street Manager, then the early version will not “talk” to the EToN system and highway authorities will have to handle HS2 notices separately for co-ordination purposes.



EToN update

Development of EToN capability for noticing Temporary Interference

Options are:

| | Option 1 | Option 2 | Option 3 |
|--------------|---|---|---|
| 2018 | Highway authorities place notices (SLA-able?) | EWCs use Itertek | Highway authorities place notices (SLA-able?) |
| 2019 | As above | MWCCs use Itertek and then Street Manager | MWCCs use Itertek and then Street Manager |
| 2020 | Contractors use developed Street Manager for permits | Contractors use developed Street Manager for permits | Contractors use developed Street Manager for permits |
| 2021 onwards | Street Manager + potential "HS2 button" for Act rules | Street Manager + potential "HS2 button" for Act rules | Street Manager + potential "HS2 button" for Act rules |

