Hi David/Phil,

We have received feedback for the updated A41/Oxford Road Linsig model in relation to Bicester Office Park as submitted in the Technical Note (dated 23/08/2018). Based on this information and in advance of our meeting on Thursday, I would like to make you aware of where we stand on the highway/modelling issues to-date.

|  |  |
| --- | --- |
| **Modelling concerns** | **OCC’s response** |
| J2-4/1 Services entry give way | We are happy to see this correction. No further action required |
| Matrix estimation | This has been amended accordingly and OCC consider this acceptable |
| Lane widths | We acknowledge that lane widths may be consistent with previous modelling, but they are/were not consistent with the drawings available to us to check against. We welcome the revision to lane widths and do not wish to pursue this further. |
| Saturation flows | We considered many of the saturation flows used to be overly optimistic. This is based on the application (or not) of the “nearside lane factor” of -140pcu/hr, from RR67.  The response explains that they consider their approach to be accurate and consistent with previous modelling in the area. A paragraph of the Linsig User Guide has been quoted in support of their argument.  The same section of the Linsig User Guide goes on to acknowledge that there is debate over when and how it should be applied. While OCC maintains that other recent research and experience support our case, we acknowledge the argument is valid. The result of the Linsig will potentially err in favour of the development, but the margin of error is acceptable. Hence we accept this modelling principle and no further action is required. |
| Oxford Road pedestrian crossing | I would like to reiterate that a signalised crossing is in place that goes across both the northbound and southbound lanes. **The updated model is incorrect at this node and must be revised**. |
| Lane weaving | Link connectors have been added throughout the model to allow traffic to be distributed as though ‘weaving’. This allows for a highly optimistic distribution of traffic in the Linsig Model.  We would disagree with the assumption that introducing lane connectors in this way fairly represents lane weaving on site. While we agree that weaving is likely to occur, the method of modelling used effectively allows for any amount of traffic to instantly change lanes at almost any point in the network. While many obviously impractical routes do not have any flow assigned, some do.  Due to the way traffic is allocated to routes, our experience of similar models in the past is that inaccuracies can and do occur. The scale and therefore the impact of these inaccuracies are difficult to determine, and we acknowledge it is difficult to model this accurately. **We strongly advise amending the model with the following:**   * Edit the permissible route list, to prohibit obviously dangerous or impractical routes, and either; * Manually assign a small proportion of traffic to the routes that allow weaving and allow Linsig to allocate the remaining flows, or; * Consider using the experimental “weaving connectors” tool within Linsig. This is designed to deal with this exact problem. As this is an experimental feature, the results may be inaccurate, however it is likely to be more accurate than the current model. |
| Controller 1 specification | No further action on this is required. |

Notwithstanding the requirement for further corrections (as pointed out) above, it is acknowledged that the proposed additional left turn lane on Lakeview Drive as illustrated on Drawing **170221-08 Rev A** attached to the Technical Note would bring junction capacity to within acceptable limits.

Finally, unless you are happy to address the outstanding matters by exchange of emails I would like to use this opportunity to confirm the meeting for Thursday 27th at 10:30.  Please advise accordingly.

Kind regards,

Rashid

**Rashid Bbosa**

Transport Engineer – Transport Development Control

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**Cc:** White, Joy - Communities <[Joy.White@Oxfordshire.gov.uk](mailto:Joy.White@Oxfordshire.gov.uk)>  
**Subject:** RE: Bicester Office Park

Rashid,

Thursday 27th at 10:30am is good for both myself and Phil. If you could advise once you have confirmation, that would be appreciated.

I will response separately in relation to the pedestrian crossing comment. If you have any further queries in advance of meeting, please let me know.

Regards

David

**David Lewis |** Technical Director

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**From:** Bbosa, Rashid - Communities <[Rashid.Bbosa@Oxfordshire.gov.uk](mailto:Rashid.Bbosa@Oxfordshire.gov.uk)>   
**Sent:** 19 September 2018 09:58  
**To:** Phil Bell <[pbell@motion.co.uk](mailto:pbell@motion.co.uk)>; David Lewis <[dlewis@motion.co.uk](mailto:dlewis@motion.co.uk)>  
**Cc:** White, Joy - Communities <[Joy.White@Oxfordshire.gov.uk](mailto:Joy.White@Oxfordshire.gov.uk)>  
**Subject:** RE: Bicester Office Park

Hi Phil,

Please allow me to tentatively book Thursday 27th at 10:30 for a meeting at County Hall, Oxford. I understand the urgency you would like to see this moved but as said before, we are still waiting for the technical report validating your updated modelling from our signals consultant. We are equally concerned that the process has been agonisingly slow this time, but as soon as we hear from them, I shall be updating you.

Meanwhile, notwithstanding the review in wait, your Technical Note rebutted with this;

“There is no pedestrian across the northbound arm of the Oxford Road junction (J1:4). On the southbound arm of the junction (J1:3), the pedestrian crossing is solely across the nearside left turn lane of the arm (J1:3/1) and does not cross the two southbound lanes (J1:3/2 and J13/3)

The model currently submitted model is correct and no changes to the model are proposed. “

I would like to disagree with that and affirm our position that the signalised crossing goes across both streams of traffic. Whether this omission will be of a significant impact and to what degree is currently unknown.

Kind regards,

Rashid

**Rashid Bbosa**

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**Cc:** David Lewis <[dlewis@motion.co.uk](mailto:dlewis@motion.co.uk)>  
**Subject:** RE: Bicester Office Park

Hi Rashid,

Are you in a position to suggest an alternative date/time for our meeting that was postponed from last Friday?

I look forward to hearing from you.

Regards,

Phil

**Phil Bell |** Managing Director

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**From:** Phil Bell   
**Sent:** 13 September 2018 11:58  
**To:** 'Bbosa, Rashid - Communities' <[Rashid.Bbosa@Oxfordshire.gov.uk](mailto:Rashid.Bbosa@Oxfordshire.gov.uk)>  
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**Subject:** RE: Bicester Office Park

Rashid,

This is extremely disappointing and I certainly do not want to delay this important meeting for two weeks, so please could you reschedule the meeting as soon as possible. It does not necessarily require both David and me so please could you liaise with David regarding his availability and if I am not participating in the Public Inquiry then I shall attend too. Also, just to reiterate that the purpose of this meeting is to discuss, and hopefully agree, the latest technical analysis rather than to discuss financial contributions, which will follow.

I look forward to hearing from you.

Regards,

Phil.

**Phil Bell |** Managing Director

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**Cc:** David Lewis <[dlewis@motion.co.uk](mailto:dlewis@motion.co.uk)>  
**Subject:** RE: Bicester Office Park

Hi Phil,

With regret I am writing to inform you about the cancellation of the meeting scheduled for tomorrow at 10am. With this meeting, it was intended to have discussions on Highway capacity issues with regards to the updated modelling and strategic financial contributions.

Having reviewed the Technical Note, it is noted that the additional left turn lane on Lakeview Drive will have a positive effect on the capacity of the junction here. That being said, we are still in wait for a report from the signals consultant on the suggested changes. Unfortunately due to the commissioning process with external consultants, this timing has been out of our control. I thought it would make sense for discussions to be held after the updated modelling has been re-run.

Discussions on the financial contributions have attracted my colleagues Joy White, Hannah Battye, Howard Cox and Ben Smith as well as CDC officers. I am aware of your scheduled public inquiry for the next two weeks. Unless you have any dates in mind, please allow me to reschedule this meeting soon after the inquiry. I hope this has not caused much inconvenience.

Kind regards,

Rashid

**Rashid Bbosa**

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**Cc:** David Lewis <[dlewis@motion.co.uk](mailto:dlewis@motion.co.uk)>  
**Subject:** RE: Bicester Office Park

Rashid,

Many thanks. Just to confirm that we are only intending to discuss the technical capacity issues at this meeting. See you on Friday.

Regards,

Phil.

**Phil Bell |** Managing Director

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**Sent:** 10 September 2018 10:04  
**To:** Phil Bell <[pbell@motion.co.uk](mailto:pbell@motion.co.uk)>  
**Cc:** David Lewis <[dlewis@motion.co.uk](mailto:dlewis@motion.co.uk)>  
**Subject:** RE: Bicester Office Park

Hi Phil,

The meeting shall be held at County Hall, Oxford at 10am. I am still awaiting confirmation from some colleagues and as soon as I get the list, I will update you on this.

Kind regards,

Rashid

**Rashid Bbosa**

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**Subject:** RE: Bicester Office Park

Hi Rashid,

Please could you confirm the venue and attendees for our meeting on Friday.

Many thanks,

Phil.

**Phil Bell |** Managing Director

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**Cc:** David Lewis <[dlewis@motion.co.uk](mailto:dlewis@motion.co.uk)>  
**Subject:** RE: Bicester Office Park

Hi Rashid,

Many thanks. I assume that we’ll be meeting at County Hall. Please confirm.

By copy of this, I would be grateful if David could forward the drawing.

Regards

Phil.

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**Subject:** RE: Bicester Office Park

Hi Phil,

Following your email below, and our conversation yesterday, Friday 14th September at 10:30am looks like the best slot we can congregate for this meeting. Please confirm if this suits you.

Also regarding the Technical Note, it has been noticed that there is a missing attachment. Para 5.1 mentions a drawing which shows the proposed mitigation but this is not attached. Could this be sent over please.

Kind regards,

Rashid

**Rashid Bbosa**

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**Cc:** David Lewis <[dlewis@motion.co.uk](mailto:dlewis@motion.co.uk)>  
**Subject:** Bicester Office Park

Hi Rashid,

Many thanks for your calls. I was on leave Friday and Monday, so apologies for being a bit elusive. I am at a Public Inquiry for 2 weeks staring on 18th September, so would really appreciate it if we could meet prior to this. It’s a bit of a longshot, but I’m in Oxfordshire tomorrow (Wednesday) so could meet at 10.30 if that works for you. Failing that, I could do the following dates next week:

Friday 7th September – any time

Tuesday 11th September – PM only

Wednesday 12th September – any time

Friday 14th September – any time

Please let me know what suits you. In the meantime, I attach herewith our latest technical note, which responds to the late comments made by OCC and also considers an additional outbound lane on Lakeview Drive. As you will see, this analysis demonstrates that the additional lane has a positive effect on the operation of the network. In particular it demonstrates that the degree of saturation on each of the links is below the 90% threshold that you seem to be working to, with the exception of the Esso access (90.6%). We are happy to incorporate this additional lane as a minor amendment to the scheme.

I trust that you find this information useful and look forward to hearing from you.

Regards,

Phil.

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