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**From:** Dave Smith [REDACTED]  
**Sent:** Tuesday, 13 February 2024 1:48 pm  
**To:** Suzanne Rushmere; Mat Collins; Patrick Hanaray  
**Subject:** RE: UHCC Deficiency Analysis Note  
**Attachments:** Upper Hutt Futures Deficiency Analysis Technical Note final 13\_02\_24.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Hi Suzanne and Patrick

Following up on my conversation with Suzanne this morning. Noting our previous correspondence regarding shifting the SGA loading in the model from Eastern Hutt Road to Kiln Road, we have now updated and finalised the reporting. As part of the reporting update we noted that one of the Silverstream development zones was loading into the model in the vicinity of Wallaceville which has also been corrected in the attached report. This only had a minor impact on model results.

Key changes arising from both of these corrections are as follows:

- All figures and tables relating to Scenario 2 and Scenario 3 have been updated, as well as the proceeding discussion.
- Small increase in total vehicle minutes and vehicle kilometres for Scenario 2&3. Most pronounced in 2033.
- Minor changes to LOS totals by intersection and by km. Key intersections will be discussed later.
- Small drop in Eastbound traffic on Fergusson Dr (West) in 2043 AM peak (Sc2: 1174 down to 1117, Sc3: 1204 down to 1130). Same for Westbound in PM Peak (Sc2: 1084 down to 1029, Sc3: 1106 down to 1041). This pattern continues throughout the future years.
- Barley Mow Ln no longer showing up with LoS issues due to SGA traffic being moved onto Kiln St.
- Brentwood St/ Tawai St/ Fergusson Dr shows LoS E in Sc2 & Sc3 in the 2043 PM peak as opposed to only Sc2 previously.
- Extent of LOS F in the 2053 PM peak on SH2 by Moonshine Rd decreases.

As such the changes are minor but is good to finalise and lock down the report.

Happy to discuss.

Regards

Dave

**Dave Smith** MPhil BTech(Hons) CMILT MEngNZ  
Technical Director, Transportation Planning, Abley



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**From:** Suzanne Rushmere [suzanne.rushmere@uhcc.govt.nz](mailto:suzanne.rushmere@uhcc.govt.nz)  
**Sent:** Tuesday, January 30, 2024 7:36 AM  
**To:** Mat Collins [REDACTED] Patrick Hanaray [patrick.hanaray@uhcc.govt.nz](mailto:patrick.hanaray@uhcc.govt.nz)  
**Cc:** Emily Thomson [Emily.Thomson@uhcc.govt.nz](mailto:Emily.Thomson@uhcc.govt.nz); Dave Smith [REDACTED]  
**Subject:** RE: UHCC Deficiency Analysis Note

[EXTERNAL]

Hi

I believe that scenario 1 was already without Southern Growth Area so should this be your 'without development' baseline as a start point for whatever Gillespies ask you to test?

Regarding PC49 and PC50 baseline I will speak to some colleagues and get back to you as soon as I can.

Thanks Mat.

Suze

**Suzanne Rushmere**

Senior Planner (Policy) | Kaiwhakamahere Matua



**Te Kaunihera o Te Awa Kairangi ki Uta | Upper Hutt City Council**

838 – 842 Fergusson Drive, Private Bag 907, Upper Hutt, 5140, New Zealand

T: +64 4 8855706 | E: [suzanne.rushmere@uhcc.govt.nz](mailto:suzanne.rushmere@uhcc.govt.nz)

W: [upperhuttcity.com](http://upperhuttcity.com) | F: [fb.com/UpperHuttCityCouncil](https://www.facebook.com/UpperHuttCityCouncil)

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**From:** Mat Collins [REDACTED]

**Sent:** Monday, January 29, 2024 1:40 PM

**To:** Suzanne Rushmere <[suzanne.rushmere@uhcc.govt.nz](mailto:suzanne.rushmere@uhcc.govt.nz)>; Patrick Hanaray <[patrick.hanaray@uhcc.govt.nz](mailto:patrick.hanaray@uhcc.govt.nz)>

**Cc:** Emily Thomson <[Emily.Thomson@uhcc.govt.nz](mailto:Emily.Thomson@uhcc.govt.nz)>; Dave Smith [REDACTED]

**Subject:** RE: UHCC Deficiency Analysis Note

Hi all,

We're looking to get our engagement set up with Gillford Timber. As part of this we'll need to understand what Council anticipates as the baseline landuse, so we can provide appropriate sensitivity tests for the relief they're seeking in their submission.

In the deficiency analysis work we've done to date we developed three scenarios. Can you please confirm which should be the baseline for future assessment work including the upcoming PC49/50 modelling? We note that where a development is included in an existing model scenario in part of whole we would look to remove it to create a 'without rezoning' baseline and then fully develop it to create a 'with rezoning' scenario.

Cheers

**Mat Collins** BEng (Hons)

Associate Transportation Planner, Abley



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**From:** Mat Collins

**Sent:** Monday, January 29, 2024 8:17 AM

**To:** Suzanne Rushmere <[suzanne.rushmere@uhcc.govt.nz](mailto:suzanne.rushmere@uhcc.govt.nz)>; Patrick Hanaray <[patrick.hanaray@uhcc.govt.nz](mailto:patrick.hanaray@uhcc.govt.nz)>

**Cc:** Emily Thomson <[Emily.Thomson@uhcc.govt.nz](mailto:Emily.Thomson@uhcc.govt.nz)>; Dave Smith [REDACTED]

**Subject:** RE: UHCC Deficiency Analysis Note

Morning Suze, they want us to run scenarios using development assumptions for Gillford that they provide to us. We'll add these into the model, run it, then give them the results without any commentary.

**Mat Collins** BEng (Hons)  
Associate Transportation Planner, Abley



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**From:** Suzanne Rushmere <[suzanne.rushmere@uhcc.govt.nz](mailto:suzanne.rushmere@uhcc.govt.nz)>  
**Sent:** Monday, January 29, 2024 8:14 AM  
**To:** Mat Collins [REDACTED] Patrick Hanaray <[patrick.hanaray@uhcc.govt.nz](mailto:patrick.hanaray@uhcc.govt.nz)>  
**Cc:** Emily Thomson <[Emily.Thomson@uhcc.govt.nz](mailto:Emily.Thomson@uhcc.govt.nz)>; Dave Smith [REDACTED]  
**Subject:** RE: UHCC Deficiency Analysis Note

[EXTERNAL]

Sorry, just so I am clear – have they asked you to run scenarios yet or just provide data from what you have already run?

Suze

**Suzanne Rushmere**  
Senior Planner (Policy) | Kaiwhakamahere Matua



**Te Kaunihera o Te Awa Kairangi ki Uta | Upper Hutt City Council**  
838 – 842 Fergusson Drive, Private Bag 907, Upper Hutt, 5140, New Zealand  
T: +64 4 8855706 | E: [suzanne.rushmere@uhcc.govt.nz](mailto:suzanne.rushmere@uhcc.govt.nz)  
W: [upperhuttcity.com](http://upperhuttcity.com) | F: [fb.com/UpperHuttCityCouncil](https://www.facebook.com/UpperHuttCityCouncil)

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**From:** Mat Collins [REDACTED]  
**Sent:** Monday, January 29, 2024 7:47 AM  
**To:** Patrick Hanaray <[patrick.hanaray@uhcc.govt.nz](mailto:patrick.hanaray@uhcc.govt.nz)>; Suzanne Rushmere <[suzanne.rushmere@uhcc.govt.nz](mailto:suzanne.rushmere@uhcc.govt.nz)>  
**Cc:** Emily Thomson <[Emily.Thomson@uhcc.govt.nz](mailto:Emily.Thomson@uhcc.govt.nz)>; Dave Smith [REDACTED]  
**Subject:** RE: UHCC Deficiency Analysis Note

Thanks Patrick and Emily, we're happy with that approach. We'll make it clear in our engagement with Gillford that we're just "turning the handle" for the model, and that it'll be up to their consultant to interpret the results. We've had this type of arrangement in other situations where we're also acting for Council, and we're confident it won't create a conflict of interest if you need our assistance in the future.

Cheers

**Mat Collins** BEng (Hons)  
Associate Transportation Planner, Abley



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**From:** Patrick Hanaray <[patrick.hanaray@uhcc.govt.nz](mailto:patrick.hanaray@uhcc.govt.nz)>  
**Sent:** Friday, January 26, 2024 4:51 PM  
**To:** Mat Collins [REDACTED]; Suzanne Rushmere <[suzanne.rushmere@uhcc.govt.nz](mailto:suzanne.rushmere@uhcc.govt.nz)>

Cc: Emily Thomson <[Emily.Thomson@uhcc.govt.nz](mailto:Emily.Thomson@uhcc.govt.nz)>; Dave Smith [REDACTED]  
Subject: RE: UHCC Deficiency Analysis Note

[EXTERNAL]

Hi Mat,

I had a discussion yesterday with Phil Peet about them using our Tracks model as a starting point.

They were initially looking to work with Stantec who had carried out the previous (2018) review. I suggested that as you had a more recent update of the model that could be used, either by Abley or by Stantec as the starting point and that they should talk to you.

Suze and Emily have both indicated they are interested in Abley providing support to UHCC for PC49/50. However, I cannot see that preventing you from carrying out the modelling work.

**Patrick Hanaray**  
Roading Manager

[REDACTED]

**Patrick Hanaray**  
Roading Manager



**Te Kaunihera o Te Awa Kairangi ki Uta | Upper Hutt City Council**  
838 – 842 Fergusson Drive, Private Bag 907, Upper Hutt, 5140, New Zealand  
T: +64 4 5272145 | M: +64 27 2499006 | E: [patrick.hanaray@uhcc.govt.nz](mailto:patrick.hanaray@uhcc.govt.nz)  
W: [upperhuttcity.com](http://upperhuttcity.com) | F: [fb.com/UpperHuttCityCouncil](https://www.facebook.com/UpperHuttCityCouncil)

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**From:** Mat Collins [REDACTED]  
**Sent:** Friday, January 26, 2024 9:15 AM  
**To:** Suzanne Rushmere <[suzanne.rushmere@uhcc.govt.nz](mailto:suzanne.rushmere@uhcc.govt.nz)>; Patrick Hanaray <[patrick.hanaray@uhcc.govt.nz](mailto:patrick.hanaray@uhcc.govt.nz)>  
**Cc:** Emily Thomson <[Emily.Thomson@uhcc.govt.nz](mailto:Emily.Thomson@uhcc.govt.nz)>; Dave Smith [REDACTED]  
**Subject:** RE: UHCC Deficiency Analysis Note

Morena Suze and Patrick, happy new year.

We've had a quick catch up with transport experts acting for Gillford Timber this morning, they're seeking data from the TRACKS model to assist their submission on PC49. You mentioned potentially engaging us to assist with PC49/50, so I thought I'd follow up on this.

Cheers

**Mat Collins** BEng (Hons)  
Associate Transportation Planner, Abley



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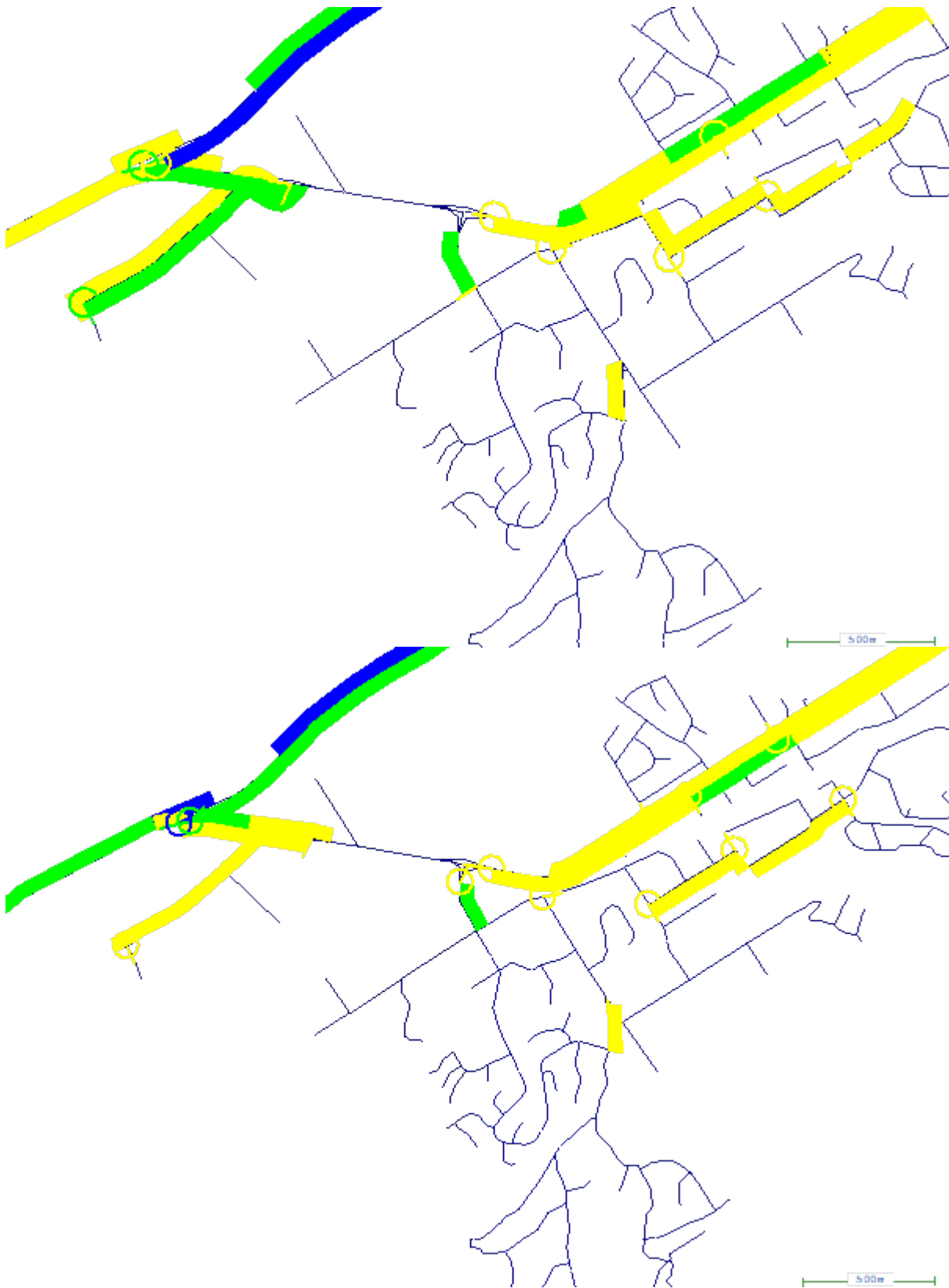
**From:** Dave Smith [REDACTED]  
**Sent:** Monday, January 8, 2024 1:43 PM  
**To:** Suzanne Rushmere <[suzanne.rushmere@uhcc.govt.nz](mailto:suzanne.rushmere@uhcc.govt.nz)>; Mat Collins [REDACTED]  
**Cc:** Emily Thomson <[Emily.Thomson@uhcc.govt.nz](mailto:Emily.Thomson@uhcc.govt.nz)>; Patrick Hanaray <[patrick.hanaray@uhcc.govt.nz](mailto:patrick.hanaray@uhcc.govt.nz)>  
**Subject:** RE: UHCC Deficiency Analysis Note

Hi All

Happy New Year. We have re-run the 2053 conservative scenario with the full SGA loaded in the vicinity of Kiln Street. Looking back we had it split 50/50 between accessing Eastern Hutt Road directly and being loaded into Silverstream so the impact of the test is to move 375 lots only back into Silverstream.

The model is not picking up any additional Level of Service issues at the key roundabouts with delays changing by no more than a few seconds. However, we have observed the following changes:

- the right turn issue onto Eastern Hutt Road as a result of the direct access has disappeared.
- Field Street from Fergusson Drive to Kiln Street has deteriorated in both morning and evening peak from LoS C to LoS D as shown below (morning is on left and evening on right).



As before a more detailed model (such as a Sidra Intersection model) may highlight issues on roundabout intersection approaches.

Please advise if you require further action or reporting on this test.

Regards

Dave

**Dave Smith** MPhil BTech(Hons) CMILT MEngNZ  
Technical Director, Transportation Planning, Abley

  **abley.com**

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**From:** Suzanne Rushmere <[suzanne.rushmere@uhcc.govt.nz](mailto:suzanne.rushmere@uhcc.govt.nz)>  
**Sent:** Wednesday, December 20, 2023 2:32 PM  
**To:** Dave Smith  Mat Collins   
**Cc:** Emily Thomson <[Emily.Thomson@uhcc.govt.nz](mailto:Emily.Thomson@uhcc.govt.nz)>; Patrick Hanaray <[patrick.hanaray@uhcc.govt.nz](mailto:patrick.hanaray@uhcc.govt.nz)>  
**Subject:** RE: UHCC Deficiency Analysis Note

[EXTERNAL]

Hi All

Thanks for meeting with today.

The actions I had from today were:

- Trentham report:
  - Suze to send Mat comments on Trentham Report – done
  - Mat to update Trentham Report – early / mid Jan
- Main modelling report
  - Dave to change Silverstream to Heretaunga for St Pats (apologies for my error) – early / mid Jan
  - Abley to run scenario 2 loading the traffic for Southern Growth Area onto Kiln Street – early / Mid Jan.
  - Dave to confirm where St Pats is loading onto the network in the model.

Thanks everyone and wishing you all a safe and happy Christmas.

Suze

**Suzanne Rushmere**  
Senior Planner (Policy) | Kaiwhakamahere Matua



**Te Kaunihera o Te Awa Kairangi ki Uta | Upper Hutt City Council**

838 – 842 Fergusson Drive, Private Bag 907, Upper Hutt, 5140, New Zealand  
T: +64 4 8855706 | E: [suzanne.rushmere@uhcc.govt.nz](mailto:suzanne.rushmere@uhcc.govt.nz)  
W: [upperhuttcity.com](http://upperhuttcity.com) | F: [fb.com/UpperHuttCityCouncil](https://www.facebook.com/UpperHuttCityCouncil)

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**From:** Dave Smith   
**Sent:** Friday, December 15, 2023 11:17 AM  
**To:** Suzanne Rushmere <[suzanne.rushmere@uhcc.govt.nz](mailto:suzanne.rushmere@uhcc.govt.nz)>  
**Cc:** Patrick Hanaray <[patrick.hanaray@uhcc.govt.nz](mailto:patrick.hanaray@uhcc.govt.nz)>; Emily Thomson <[Emily.Thomson@uhcc.govt.nz](mailto:Emily.Thomson@uhcc.govt.nz)>  
**Subject:** RE: UHCC Deficiency Analysis Note

Hi Suzanne

Thanks for your feedback.

Please see attached first draft with my responses to your questions and finalised report with changes as per your requests.

Regards

Dave

**Dave Smith** MPhil BTech(Hons) CMILT MEngNZ  
Technical Director, Transportation Planning, Abley



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**From:** Suzanne Rushmere <[suzanne.rushmere@uhcc.govt.nz](mailto:suzanne.rushmere@uhcc.govt.nz)>  
**Sent:** Thursday, December 14, 2023 1:26 PM  
**To:** Dave Smith [REDACTED]  
**Cc:** Patrick Hanaray <[patrick.hanaray@uhcc.govt.nz](mailto:patrick.hanaray@uhcc.govt.nz)>; Emily Thomson <[Emily.Thomson@uhcc.govt.nz](mailto:Emily.Thomson@uhcc.govt.nz)>  
**Subject:** UHCC Deficiency Analysis Note

[EXTERNAL]

Hi Dave

Apologies for the delay in replying, the last few weeks have been insane!

Please see attached some high level questions / comments from me.

Kind regards

Suze  
**Suzanne Rushmere**  
Senior Planner (Policy) | Kaiwhakamahere Matua



**Te Kaunihera o Te Awa Kairangi ki Uta | Upper Hutt City Council**  
838 – 842 Fergusson Drive, Private Bag 907, Upper Hutt, 5140, New Zealand  
T: +64 4 8855706 | E: [suzanne.rushmere@uhcc.govt.nz](mailto:suzanne.rushmere@uhcc.govt.nz)  
W: [upperhuttcity.com](http://upperhuttcity.com) | F: [fb.com/UpperHuttCityCouncil](https://fb.com/UpperHuttCityCouncil)

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