

Waikura
Linwood-Central-Heathcote Community Board
MINUTES ATTACHMENTS

Date: Wednesday 12 May 2021
Time: 4.30pm
Venue: The Board Room, 180 Smith Street,
Linwood

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----- Forwarded message -----

From: **Emma Locke** [REDACTED]
Date: Sun, 22 Nov 2020 at 10:10 AM
Subject: Children in danger traveling to Opawa School
To: <[REDACTED]>, <[REDACTED]>
[REDACTED]>, <[REDACTED]>

Dear Sirs/Madams,

I am writing as a concerned resident of Christchurch regarding difficulties I have witnessed on several occasions, faced by children travelling to Opawa school (and their parents) along Clarendon Terrace, Opawa.

This road and neighbouring footpath is increasingly affected by the tidal flooding of the Heathcote River.

I cycle commute from Beckenham to Aranui where I work as a GP and use this route to avoid the heavy traffic on Ensors Road.

Children traveling from houses in the area north of Brougham St in the Opawa school zone (Banks Peninsula electorate) use this route if travelling by foot/scooter/bicycle to Opawa school. The road itself and school fall inside the Christchurch Central electorate.

Currently the road is partly fenced off due to Kiwirail replacement of the rail bridge, however this is not the main issue.

The issue is that when high tide coincides with the school run both the road and the footpath are completely flooded by river water, even in dry weather. This can be up to 20cm deep.

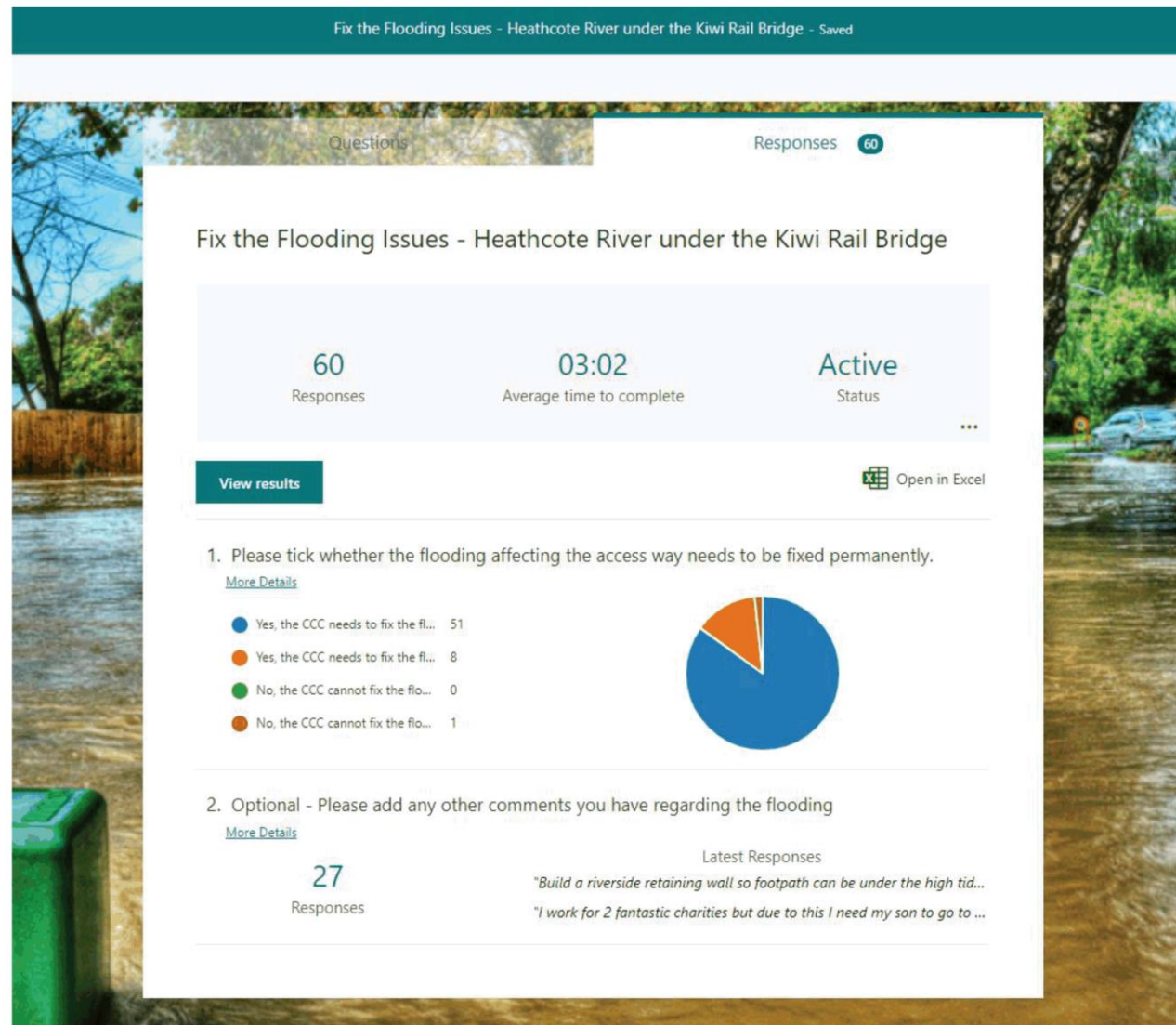
I have witnessed primary school age children as well as parents with babies in prams having to decide how to negotiate this flood water. This has involved children removing shoes, wading through river water, and worryingly balancing on a narrow concrete wall dividing the flooded road from the flooded footpath (see attached photo taken recently to illustrate).

I am concerned that this problem is only going to worsen with sea level rise, and is happening once every couple of weeks due to tidal variation, and that there is a health and safety risk to these children, who have no easy alternative route. Children are going to suffer at best cold and wet feet and at worse a child could fall into flood water causing injury or death.

These children need the authorities to urgently consider possible solutions to enable them to travel to their school without undue risk to their health and safety,

Yours sincerely,

Dr Emma Locke.



2. Optional - Please add any other comments you have regarding the flooding

27 Responses

ID↓	Name	Responses
27	anonymous	Build a riverside retaining wall so footpath can be under the high tide water level.
26	anonymous	I work for 2 fantastic charities but due to this I need my son to go to school in the mornings and after school on his own, while I rush to get home after school to meet him. In the mornings I need to leave for work. We've had days when he's had to ask neighbours to call me back to come take him to school due to flooding, or had to go to his friends parents homes to ask for a lift. Not only does the mum guilt get to me as I would love to take him to school each morning, but knowing at times he cannot even make it to school and is stressed having to ask others for help breaks my heart. So please, consider something?
25	anonymous	This has been a long standing issue. It really affects the children who turn up and get wet on their way to school, along with many other people. It affects cars, especially for people who don't know how to drive in knee deep water. Many people who don't know will then reverse and cause issues with traffic on both sides, I've watched people do some very interesting and dangerous maneuvers, when simply going through slowly would of sufficed. Additionally many modern cars have water sensors or if the water gets into the electrics can cause problems, and yes the water sometimes gets that deep. Pollution, adds to the pollution issue of the river. Accelerates the deterioration of the roads and surrounding structures. Imbeciles hoon through the water which sprays the kids and adults if they are around. These are a few of the issues. I'm sure there are many more.
		This is the primary route for *MANY* who go to Opawa, Steiner,

ID	Start time	Completion time	Email	Please tick whether the flooding a
1	5/8/21 16:47:24	5/8/21 16:47:43	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
2	5/8/21 17:38:01	5/8/21 17:38:46	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
3	5/8/21 17:37:47	5/8/21 17:40:14	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
4	5/8/21 17:41:06	5/8/21 17:41:10	anonymous	Yes, the CCC needs to fix the flooding issue because it is an inconvenience
5	5/8/21 17:51:49	5/8/21 17:52:08	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
6	5/8/21 17:54:49	5/8/21 17:55:17	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
7	5/8/21 17:56:47	5/8/21 17:58:33	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
8	5/8/21 18:00:33	5/8/21 18:03:54	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
9	5/8/21 18:04:40	5/8/21 18:05:07	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
10	5/8/21 18:04:23	5/8/21 18:05:34	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
11	5/8/21 18:06:35	5/8/21 18:10:23	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
12	5/8/21 18:22:26	5/8/21 18:22:52	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
13	5/8/21 18:25:33	5/8/21 18:26:20	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
14	5/8/21 18:29:20	5/8/21 18:29:39	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
15	5/8/21 18:31:13	5/8/21 18:34:13	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
16	5/8/21 18:34:18	5/8/21 18:35:33	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard

17	5/8/21 18:39:30	5/8/21 18:40:15	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
18	5/8/21 18:06:52	5/8/21 18:43:27	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
19	5/8/21 18:46:15	5/8/21 18:46:33	anonymous	Yes, the CCC needs to fix the flooding issue because it is an inconvenience
20	5/8/21 18:49:14	5/8/21 18:49:36	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
21	5/8/21 18:55:08	5/8/21 18:55:22	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
22	5/8/21 19:00:38	5/8/21 19:01:58	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
23	5/8/21 19:24:40	5/8/21 19:25:08	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
24	5/8/21 19:27:38	5/8/21 19:30:03	anonymous	Yes, the CCC needs to fix the flooding issue because it is a
25	5/8/21 19:32:01	5/8/21 19:33:31	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
26	5/8/21 19:34:14	5/8/21 19:34:29	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
27	5/8/21 19:34:33	5/8/21 19:36:41	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
28	5/8/21 19:37:51	5/8/21 19:37:58	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard

29	5/8/21 19:56:29	5/8/21 19:57:05	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
30	5/8/21 19:44:42	5/8/21 19:59:18	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
31	5/8/21 20:04:32	5/8/21 20:07:30	anonymous	Yes, the CCC needs to fix the flooding issue because it is an inconvenience
32	5/8/21 20:08:20	5/8/21 20:12:36	anonymous	Yes, the CCC needs to fix the flooding issue because it is a
33	5/8/21 20:13:24	5/8/21 20:15:10	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
34	5/8/21 20:17:33	5/8/21 20:18:00	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
35	5/8/21 20:15:33	5/8/21 20:18:00	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
36	5/8/21 20:19:34	5/8/21 20:21:09	anonymous	Yes, the CCC needs to fix the flooding issue because it is an inconvenience
37	5/8/21 20:18:47	5/8/21 20:21:24	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
38	5/8/21 20:31:41	5/8/21 20:32:24	anonymous	Yes, the CCC needs to fix the flooding issue because it is an inconvenience
39	5/8/21 21:25:18	5/8/21 21:26:28	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
40	5/8/21 21:34:12	5/8/21 21:35:50	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
41	5/8/21 21:55:05	5/8/21 21:56:41	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard

42	5/8/21 22:28:15	5/8/21 22:35:43	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
43	5/8/21 22:40:53	5/8/21 22:41:41	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
44	5/8/21 23:04:03	5/8/21 23:05:58	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
45	5/8/21 23:26:36	5/8/21 23:26:53	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
46	5/9/21 0:06:48	5/9/21 0:07:30	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
47	5/9/21 4:59:42	5/9/21 5:00:10	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
48	5/9/21 8:13:23	5/9/21 8:14:03	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
49	5/9/21 9:49:52	5/9/21 9:50:15	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
50	5/9/21 12:35:58	5/9/21 13:13:12	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
51	5/9/21 14:10:14	5/9/21 14:13:58	anonymous	No, the CCC cannot fix the flooding issue because of the river
52	5/9/21 17:16:44	5/9/21 17:17:03	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
53	5/9/21 18:48:32	5/9/21 18:49:02	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
54	5/9/21 19:35:39	5/9/21 19:36:46	anonymous	Yes, the CCC needs to fix the flooding issue because it is an inconvenience

55	5/9/21 19:49:49	5/9/21 19:52:47	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
56	5/9/21 20:57:43	5/9/21 21:12:27	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
57	5/9/21 23:37:12	5/9/21 23:37:46	anonymous	Yes, the CCC needs to fix the flooding issue because it is an inconvenience
58	5/10/21 10:53:24	5/10/21 10:57:11	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
59	5/10/21 13:30:37	5/10/21 13:30:50	anonymous	Yes, the CCC needs to fix the flooding issue because it is a hazard
60	5/10/21 17:08:31	5/10/21 17:10:00	anonymous	Yes, the CCC needs to fix the flooding issue because it is an inconvenience

Optional - Please add any other comments you have regarding the flooding

Extremely dangerous and unhygienic to have to wade/bike/push prams through to get to school and other activities when flooded. Inconvenient to go around the long way in a car, exhausting if you are walking with kids etc.

It is dangerous to the cars that try to drive through the flooding, and a huge inconvenience for pedestrians, especially the children heading to school

Damage to the road from the flooding, is one thing but the water sprays pedestrians with water we are not meant to swim in. For my children on their way to school this means sitting in wet clothes/shoes for the day at school... Or worse wet spray on their face and hair from cars passing when the river is in flood.

Simply fixing the road without fixing the flooding is a complete waste of money.

When the walkway under the bridge is badly flooded, children walking to Opawa School have been tempted to cross over the railway line and motorway.

Impacts on day to day life. Is dangerous and an inconvenience.

We cannot let our kids (10 & 12) walk to school because we never know if the access is safe/open. The only other way is via Ensors and Brougham so we have to drive them. Walking to school is a safe 'next step' to independence before high school which they are missing out on.

Kids getting wet going to school from the river shouldn't be such a common haapening!

We regularly walk along the river on Clarendon & Richardson Terrace and are disappointed at how terribly maintained the area around the bridge is.

Given that local pedestrians, cyclists, and motorists have already suffered many months of inconvenience while the overbridge has been worked on, it would make perfect sense for the council to do the work that is required on it now so that when the roads finally reopen they aren't immediately shut by the council again the very next time it rains!

Children use this route to get to and from Opawa School - when it floods then parents have to drive a ridiculously extended route just to deliver them safely to their local school which is only a few hundred metres on the other side of the river. When Cashmere High School was rezoned and the Opawa community expressed concern about how dangerous the Brougham St/Ensors Rd intersection would be for their children who were now zoned for Linwood College, the Ministry of Education's response was that they should be cycling along the river. And yet without improvement work from the council this route will continue to be unreliable and unsafe for school students to use. It urgently needs fixing.

The flooding under the bridge has affected me for the 11 years I've lived on Richardson Tce. I bike and walk that route regularly and it regularly floods at high tide and when there's heavy rain. Time to do something

It's a difficult one. The river is tidal and both there and along Aynsley Tce the river floods up through the storm water drains at high tide. I would support measures to improve the walkway so the flooding doesn't impede walking.

How would councillors feel if they arrived at work for the day having waded through shin to knee deep polluted water with no change of clothes or shoes available to them.
That is what some kids have to do to get to school some days.
Kids arrive at the bridge to find it flooded but don't have the time or means to find an alternative route and so just wade through.
Those who climb onto the wall risk falling into deeper water and in front of traffic driving through.
Worse still, those who risk life by opting to cross the railway line and state highway.
They should not be forced to make those choices in the first place.
Yes the flooding only occurs on spring tides or following exceptionally heavy rain, but our kids have to go to school every day.
It is a problem that has existed for years and will continue to exist so why not take the opportunity now to do something about it.

The flooding affecting the access way is both inconvenient and a hazard. The area is a high use for children walking to school, people walking their dogs, and walkers/runners.

The flooding problem needs to be fixed, not only for foot traffic but it is also dangerous for cars and bikes, at times people can not even get through because it is so deep!!

The flooding issues here are a safety hazard for hundreds of school children who traverse this path each day to the various schools within this catchment area, It is way beyond time that CCC actually DID something about this KNOWN Health and Safety Hazard.

Feels like the council doesn't take the safety of access and beatification as important to residents

The lighting around that area is s dreadful and does not encourage walking! We should be encouraging walking don't you think.

But main issue is the flooding and pedestrian and cycle accessibility during floods is pretty damn smart, be smart CCC do the right thing.

When the water is over the path children are faced with negotiating a very busy road above. It's a tragedy waiting to happen.

It may be difficult to prevent 100% of flooding events but they should be able to come up with a solution to prevent 80% of them. Clarendon Terrace floods through stormwater drains during high tides. It would be great to get the flooding sorted and beautify the area. Money better spent here than in the red zone without residents.

We have been trapped (when on foot with small children) on the wrong side of the flooding when it has risen quickly, more than once. It is a hazard because the flood water is dirty and its dangerous trying to get small children through it, pram etc.

We own a house on the corner of Marshall and Clarendon Terrace and have been a rate payer for this property for the last 14 years, and raised school aged children whilst living there.
With so many schools around the area I'm in disbelief that the Christchurch Council have not prioritised making access under the bridge easy for the community due to flooding and simple accessibility. The number of families that it has affected over the years surly must be in the hundreds. Sewage is a concern when the water table rises. Testing should be conducted when it floods again, which I will definitely happen in the near future.

I don't think the road can be raised high enough to avoid flooding and permit access to personal vehicles. It would be awesome if CCC could find a way to make this happen but I am just not confident it is possible. Bear in mind that it is not unheard of for there to be flooding that makes all of Clarendon and Richardson terraces impassable. The last really bad floods I can remember were at the end of 2013

If the bridge is getting raised a little, then raise the roads a little as well as footpaths please

This is the primary route for *MANY* who go to Opawa, Steiner, St Marks, etc. schools!
This is a major health and safety issues for our children.
Please do what's right and make this underpass safe for our children and families

This has been a long standing issue.
It really affects the children who turn up and get wet on their way to school, along with many other people.
It affects cars, especially for people who don't know how to drive in knee deep water.
Many people who don't know will then reverse and cause issues with traffic on both sides, I've watched people do some very interesting and dangerous maneuvers, when simply going through slowly would of sufficed.
Additionally many modern cars have water sensors or if the water gets into the electrics can cause problems, and yes the water sometimes gets that deep.
Pollution, adds to the pollution issue of the river.
Accelerates the deterioration of the roads and surrounding structures.
Imbeciles hoon through the water which sprays the kids and adults if they are around.
These are a few of the issues, I'm sure there are many more.

I work for 2 fantastic charities but due to this I need my son to go to school in the mornings and after school on his own, while I rush to get home after school to met him. In the mornings I need to leave for work.
We've had days when he's had to ask neighbours to call me back to come take him to school due to flooding, or had to go to his friends parents homes to ask for a lift. Not only does the mum guilt get to me as I would love to take him to school each morning, but knowing at times he cannot even make it to school and is stressed having to ask others for help breaks my heart. So please, consider something?

Build a riverside retaining wall so footpath can be under the high tide water level.

From: STURZAKER, Hayden <[REDACTED]>
Sent: Saturday, May 8, 2021 10:18 AM
To: [REDACTED]
Subject: Footpath options

Kirsty

As discussed, we have reached out to CCC to advise of an opportunity to utilise the increased footpath width on Richardson Terrace (~ 3.5m finished width) however we have had limited direction from CCC as to how the area should be remediated, and therefore we will be looking to complete the works in accordance with our approved design. Alternatively I can see two low cost improvements which would provide relief from spring tide flooding:

The first proposal will conform with CCC design Standards CSS – Part 6. We would install a footpath on grade at its maximum cross fall of 3%, this would introduce a fall of 105mm across the 3.5m width of the footpath. During a spring tide pedestrians would need to walk closer to the abutment to keep their feet dry and there would be scenarios where a HSL 2.8/2.9m Spring tide would still create water issues for users (regular spring tides are HSL 2.5 – 2.7, high pressure systems at sea can see these increase to 2.8/2.9) Although this would not generate a significant improvement from what is currently there, it would leave a blank canvas for future improvements proposed by CCC. Please see extract from CSS below for reference.

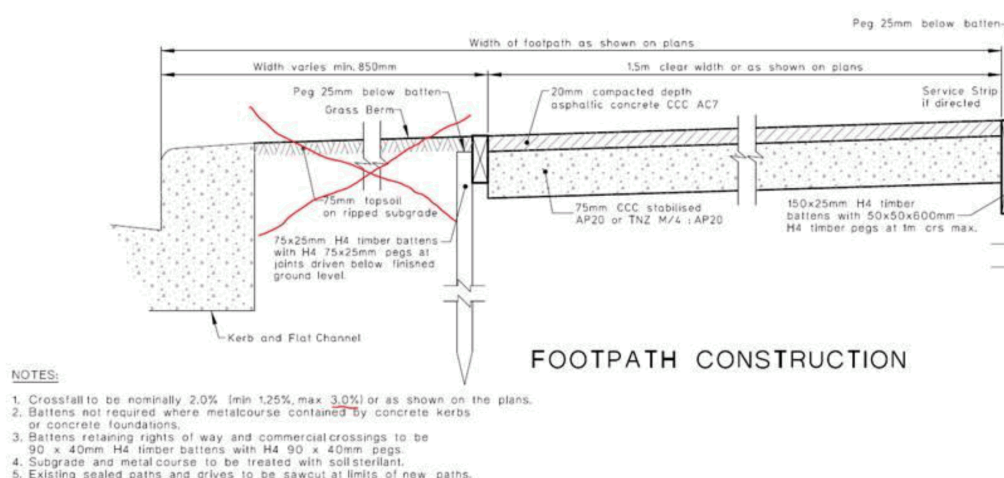


Fig 1 – Extract from CSS Part 6 SD607 (note there will not be a berm installed between the footpath and the kerb)

The second proposal would not conform with CCC design standards and would require a risk review from CCC to check feasibility. This would be to keep the current footpath at the same height, we would then form a raised section within the 2m width gain. The cross fall of the raised section would need to be 10% to achieve a raised level suitable to raise the footpath beyond the spring tide water level. Provided that a cross fall of 3% is acceptable on the flat footpath sections then this would see an increase of height at the abutment of 175mm. Again I cannot ensure that this will be enough to solve all the spring tide issues however it will provide a greater raised footpath height than the

above option. Note the raised section does raise a potential trip hazard and hazard signage will be required to ensure that cyclists use the lower footpath section. Sketch has been included below for reference.

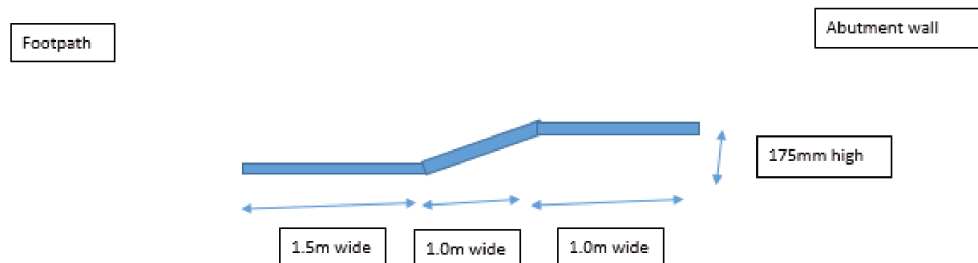


Fig 1 – Proposal 2, footpath 3% cross fall with a step of 10% cross fall to achieve a 175mm raised platform.

Other alternatives such as a grated boardwalk have been investigated at a high level however these pose maintenance issues which will become an ongoing cost for CCC

In addition, please note that there is still dredging to be completed following the works, which will provide a greater river capacity beneath the bridge.

Both options are currently being considered by KiwiRail and will require further consultation with CCC.

Regards,

Hayden