

Tim Snape

From: Darren Webb
Sent: 10 September 2007 18:19
To: 'jamessaunders@seeda.co.uk'
Cc: 008034 Ore Valley Engineering
Subject: Sussex Arms Junction - Cycle Audit
Attachments: Microsoft Word - Ore valley Old London Road comments.pdf; Microsoft Word - audit forms.pdf

Dear James,

Similar to my email of Thursday regarding the Hughenden Road Junction I am now writing to pass on our recommendations from the Sussex Arms Junction Cycle Audit. After reviewing the attached and discussing with the auditor I have come to the conclusion that we are, unfortunately, unable to implement any of the recommendations made. Below I have summarised the recommendations made and our responses to each item.

- *Whilst the gradient of Old London Road from the south makes cycling difficult a 2m wide with flow cycle lane coupled with an ASL on the approach to the traffic signals would make for a much safer route. The loss of the left turn lane would result in a much wider 4m lane capable of accommodating all traffic.*
 Amending Old London Road to have a singular approach lane will reduce the operating capacity of the junction and cannot be justified.
- *Similarly it is recommended that the approach along on Frederick Road should be reduced to one lane to enable an ASL and a cycle lane lead in.*
 Again, this will negatively impact on the operating capacity of the junction and cannot be justified.
- *To ensure that cyclists exiting Frederick Road can gain easy access to Mount Road there is a need for a 'Keep Clear' marking (to Diag. 1026) on London Road across its junction with Manor Road.*
 Introducing this Keep Clear marking will reduce area available for vehicle queuing on the Old London Road approach. Again this will reduce the operating capacity of the junction and will not be implemented.
- *Whilst not directly related to cycling there is also the opportunity to improve the width of the footways, which are less than 1m wide in places, to aid pedestrian movement through the area. This is especially important for wheelchair users and parents with very young children. The proposed introduction of pedestrian guardrails reduces the available width even further and should be deleted.*
 Footway widths cannot be increased due to land ownership constraints.
- *I believe there is a need to provide a Toucan crossing from Frederick Road to Mount Road. This will allow cyclists to enjoy the controlled crossing which is only currently proposed for cyclists. It is recognised that flows in excess of 800 vph make for very difficult for cyclists to cross safely without a controlled crossing.*
 This recommendation is a good one but would require footways on either side of the crossing becoming shared use. Unfortunately this cannot reasonably be achieved due to the narrow widths of these footways (< 2m). Additionally introducing the wider Toucan crossing will impact upon junction capacity (albeit in a minor manner).

Please advise if you have any concerns regarding any of our recommendations otherwise I will move forward with the junction design based on the above.

Regards
 Darren Webb
 Civil Engineer
 Buro Happold Ltd
 17 Newman Street, London
 Tel: +44 (0)20 7927 9700
 Fax: +44(0)870 787 4145

This transmission is confidential and intended solely for the person or organisation to whom it is correctly

addressed. If you are not the intended recipient of this transmission, you should not take any action in reliance on it. Further, this transmission may contain confidential design and other information owned by Buro Happold. You should not copy, distribute, use, offer for sale or hire such information or in any way infringe the design and intellectual property rights of Buro Happold. It is intended that communication by email from Buro Happold or its employees is limited to communications connected to the services provided by Buro Happold. Buro Happold accepts no liability for any communications not connected to the services it provides. Computer viruses may be transmitted or downloaded onto your computer system via email communication. It is the recipient's responsibility to take any action necessary to prevent computer viruses being transmitted

 *Save a tree...please don't print this e-mail unless you really need to*