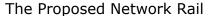
## Technical Note 02: Battlesbridge





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Prepared by: John Russell Date: 11/10/2018

1.1 I have prepared this note following the evidence presented by Miss Tillbrook on  $11^{\rm th}$  October 2018 regarding the proposed closure reference E38 – Battlesbridge, Essex.

1.2 At paragraph 4.48 of my evidence (OBJ/148/019) I state:

"The A1245 carries over 17,000 vehicles per day on average. However the verge is sufficiently wide to provide a good route for pedestrians and for a good width of separation between pedestrians and vehicles to be provided. The proposals include moving the existing vehicular crash barrier to provide protection between pedestrians and vehicles."

1.3 My reference regarding moving the existing vehicular crash barrier arose from my reading of the statement on drawing number MMD-367516-E38-GEN-005 (contained in NR12 and NR26) as follows:

"Existing vehicle crash barrier to be amended"

- 1.4 During the course of Miss Tillbrook's evidence it became apparent to me that I was mistaken in my reference to the crash barrier being moved and that the statement on drawing number MMD-367516-E38-GEN-005 referred only to gaps being provided in the vehicle restraint system (VRS).
- 1.5 The absence of a physical barrier between pedestrians and live traffic on the A1245 raises a concern regarding the safety of pedestrians walking adjacent to the carriageway alongside a high speed road (85<sup>th</sup> percentile speeds of 57.5mph and 54.6mph respectively for southbound and northbound traffic) that carries traffic volumes of up to 20,000 vehicles per day.
- 1.6 I would therefore ask to replace paragraph 4.50 of my proof of evidence with the following:

"This proposed diversion route is considered acceptable subject to:

- a mechanism to ensure retention of a grass verge or footway; and
- ▶ a separation distance of 1.5m being provided between the kerb of the carriageway and the edge of the footway / footpath in accordance with the requirements of paragraph 7.22 of TA90/05 of DMRB (copy provided). This would require a minimum verge width of 3.5m which is the 2m "footpath" width referred to on drawing number MMD-367516-E38-GEN-005 plus 1.5m separation distance."