

From: Gary Smith [REDACTED]@tfl.gov.uk>
Sent: Monday, December 11, 2023 10:50 AM
To: Darren Mckenna [REDACTED]@tfl.gov.uk>
Subject: RE: Additional Bollards at Lumley Road - Technical Assurance and RSA requirements

I agree with you. I will respond accordingly

TfL RESTRICTED

From: Darren Mckenna [REDACTED]@tfl.gov.uk>
Sent: 11 December 2023 08:11
To: Gary Smith [REDACTED]@tfl.gov.uk>
Subject: RE: Additional Bollards at Lumley Road - Technical Assurance and RSA requirements

Hi Gary,

I think that this will be too light to be fair.
There are heavies crossing the footway area and the bollards will just become another hazard really.

Regards,

Darren.

TfL RESTRICTED

From: Gary Smith [REDACTED]@tfl.gov.uk>
Sent: 08 December 2023 16:43
To: Darren Mckenna [REDACTED]@tfl.gov.uk>
Subject: FW: Additional Bollards at Lumley Road - Technical Assurance and RSA requirements

Hi Darren

Sorry I've been sat on this.

Is using self righting cones an option here or do you think it will be too light touch (and possible maintenance liability)

Perhaps we can discuss next week?

TfL RESTRICTED

From: Lukash Manandhar [REDACTED]@tfl.gov.uk>
Sent: 27 November 2023 22:01
To: Gary Smith [REDACTED]@tfl.gov.uk>
Cc: Christopher Gooch [REDACTED]@tfl.gov.uk>

Subject: RE: Additional Bollards at Lumley Road - Technical Assurance and RSA requirements

Gary,

Have we managed to check swept path analysis to analyse the severity of the over- run and optimal placement for deterrent ? Normally street furniture need to have min 450 offset from the kerb edge, not sure how it will affect the placement of bollards or the width of the cycle lane . Have we also considered using dollies (self-righting cylinders) due to tight space ?

We should add some details and dimensions to provide a detailed design drawing if we are issuing for construction. The construction details could be transferred from the original scheme.

I think it will be better to submit to highways TAA for review in this instance .

If we are

Kind Regards,

Lukash Manandhar

Principal Engineer Highways

 **TRANSPORT FOR LONDON**

Highways & Traffic | TfL Engineering & Asset Strategy

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TfL RESTRICTED

From: Christopher Gooch [REDACTED] [@tfl.gov.uk](mailto:[REDACTED]@tfl.gov.uk)>

Sent: 24 November 2023 17:41

To: Gary Smith [REDACTED] [@tfl.gov.uk](mailto:[REDACTED]@tfl.gov.uk)>; Lukash Manandhar

[REDACTED] [@tfl.gov.uk](mailto:[REDACTED]@tfl.gov.uk)>

Cc: Darren Mckenna [REDACTED] [@tfl.gov.uk](mailto:[REDACTED]@tfl.gov.uk)>

Subject: RE: Additional Bollards at Lumley Road - Technical Assurance and RSA requirements

Hi Gary,

I think you could agree with IDP (Darren) that it falls under 'Minor works that have a negligible effect on the TLRN' and complete a non audit file note (attached) if you are both happy.

Possible safety issue would be it posing a hazard to cyclists – looks like you have tried to mitigate that through the use of the integrated city bollard and adjusting the marking.

I believe any change would require running by Highways TAA. [@Lukash Manandhar](mailto:[REDACTED]@tfl.gov.uk) can you please advise. Thanks

Chris

Kind Regards

Chris Gooch

Senior Engineer (RSA) / Portfolio Delivery Engineer Lead – Assets, Assurance, RSA, and Contracts | Highways & Traffic | TfL Engineering | Mobile: [REDACTED] | Transport for London | 197 Blackfriars Road | Southwark | SE1 8NJ | Email :

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TfL RESTRICTED

From: Gary Smith [REDACTED] [@tfl.gov.uk](mailto:[REDACTED]@tfl.gov.uk)

Sent: 24 November 2023 15:37

To: Christopher Gooch [REDACTED] [@tfl.gov.uk](mailto:[REDACTED]@tfl.gov.uk)

Cc: Darren Mckenna [REDACTED] [@tfl.gov.uk](mailto:[REDACTED]@tfl.gov.uk)

Subject: Additional Bollards at Lumley Road - Technical Assurance and RSA requirements

Hi Chris

I am just finalising this proposal to remedy an over-rum problem at Limley Road junction scheme that was installed in 2021.

Please could you advise if you think RSA and TAA are required for these proposals prior to passing to Asset Ops for implementation?

Kind regards

Gary Smith | Design Engineer

TfL Engineering & Asset Strategy | Transport for London

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