

**SINGAPORE STANDARD**  
**Singapore National Annex to**  
**SS EN 1991-2 : 2012 – Eurocode 1 :**  
**Actions on structures**  
– Part 2 : Traffic loads on bridges

Incorporating Amendment No. 1  
Confirmed 2017

Published by

**Enterprise**  
**Singapore**

**NA+A1:2017 to SS EN 1991-2:2012(2017)**

(ICS 91.010.30)

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Eurocode 1 : Actions on structures**

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ISBN 978-981-4353-29-8

## NA+A1:2017 to SS EN 1991-2 : 2012 (2017)

This Singapore Standard was approved by the Building and Construction Standards Committee on behalf of the Standards Council of Singapore on 14 June 2012.

First published, 2012

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**Contents**

	<b>Page</b>
National Foreword _____	7
NA.1 Scope _____	8
NA.2 Nationally determined parameters _____	9
NA.3 Decision on the status of informative annexes _____	48
NA.4 References to non-contradictory complementary information _____	49
 <b>Annex</b>	
NA.A (normative) Typical application of SV196 Loading _____	50
 <b>Tables</b>	
NA.1 Adjustment factors $\alpha_Q$ and $\alpha_q$ for Load Model 1 _____	10
NA.2 Dynamic Amplification Factors for the SV vehicles _____	13
NA.3 Assessment of groups of traffic loads (characteristic values of the multi-component action) _____	17
NA.4 Indicative numbers of heavy goods vehicles expected per year and per lane in Singapore _____	18
NA.5 Set of equivalent lorries for Fatigue Load Model 4 _____	20
NA.6 Forces due to collision with vehicle restraint systems for determining global effects _____	21
NA.7 Recommended crowd densities for design _____	26
NA.8 Parameters to be used in the calculation of pedestrian response _____	27
NA.9 Recommended values for the site usage factor $k_1$ _____	30
NA.10 Recommended values for the route redundancy factor $k_2$ _____	30
NA.11 Recommended values for the structure height factor $k_3$ _____	30
NA.12 Nominal longitudinal loads _____	33
NA.13 Nominal RTS live loading _____	34
NA.14 Nominal actions due to traction and braking _____	36
 <b>Figures</b>	
NA.1 Basic longitudinal configuration of SV model vehicles _____	11
NA.2 Typical application of SV and Load Model 1 loading when the SV vehicle lies fully within a notional lane _____	14
NA.3 Typical application of SV and Load Model 1 loading when the SV vehicle straddles two adjacent lanes _____	14
NA.4 Vehicle model for abutments and wing walls _____	23
NA.5 Effective span calculation _____	27
NA.6 Relationships between $k(f_v)$ and mode frequencies $f_v$ _____	27

	<b>Page</b>
NA.7 Reduction factor, $\gamma$ , to allow for the unsynchronised combination of pedestrian actions within groups and crowds _____	28
NA.8 Response modifiers _____	30
NA.9 Lateral lock-in stability boundaries _____	32
NA.10 RTS load model _____	34
NA.11 Flow chart for determining whether a dynamic analysis is necessary for “simple” structures _____	39
NA.12 Flow chart for determining whether a dynamic analysis is required for “simple” and “complex” structures _____	41
NA.13 Limits of bridge natural frequency $n_0$ in Hz as a function of $L$ in m _____	43
NA.A.1 Zone in which S196 is free to travel before the approach to the slip road or loop _____	50
NA.A.2 An example of HB-45 with Load Model 1 for single structure carrying two separate carriageways _____	51
Bibliography _____	52

## **National Foreword**

This National Annex was prepared by the Technical Committee on Building Structure and Sub-structure under the purview of the Building and Construction Standards Committee.

This standard is an adoption of the UK National Annex (NA incorporating Corrigendum No.1) to BS EN 1991-2 : 2003 Eurocode 1 : Actions on structures – Part 2 : Traffic loads on bridges and is implemented with the permission of British Standards Publishing Ltd.

Acknowledgement is made to BSI for the use of information from the above publication.

This Singapore NA contains information on those parameters which are left open in EN 1991-2 for national choice, known as nationally determined parameters. The Singapore NA is to be read in conjunction with the SS EN 1991-2 : 2012 – Eurocode 1 : Actions on structures – Part 2 : Traffic loads on bridges.

Carriageway (4.2.3 (1) in SS EN 1991-2) shall be defined as follows:

'The carriageway width,  $w$ , should be measured between parapets or between parapet and raised kerb where there is centre median.'

Attention is drawn to the possibility that some of the elements of this Singapore Standard may be the subject of patent rights. Enterprise Singapore shall not be held responsible for identifying any or all of such patent rights.

### **NOTE**

1. *Singapore Standards (SSs) and Technical References (TRs) are reviewed periodically to keep abreast of technical changes, technological developments and industry practices. The changes are documented through the issue of either amendments or revisions.*
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## Singapore National Annex to SS EN 1991-2 : 2012 – Eurocode 1 : Actions on structures – Part 2 : Traffic loads on bridges

### NA.1 Scope

This document gives:

- (a) the Singapore decisions for the Nationally Determined Parameters described in the following subclauses of SS EN 1991-2:2012:
- |  |                                   |
|--|-----------------------------------|
| – 1.1 (3)                                | – 5.7 (3)                         |
| – 2.2 (2) Note 2                         | – 6.1 (2), (3)P and (7)           |
| – 2.3 (1) Note and (4) Note              | – 6.3.2 (3)P                      |
| – 3 (5)                                  | – 6.3.3 (4)P                      |
| – 4.1 (1) Note 2 and (2) Note 1          | – 6.4.4 (1)                       |
| – 4.2.1 (1) Note 2 and (2)               | – 6.4.5.2 (3)P                    |
| – 4.2.3 (1)                              | – 6.4.5.3 (1) Table 6.2           |
| – 4.3.1 (2)(b) Note 2                    | – 6.4.6.1.1 (6) Table 6.4 and (7) |
| – 4.3.2 (3) Notes 1 and 2 and (6)        | – 6.4.6.1.2 (3) Table 6.5         |
| – 4.3.3 (2) and (4)                      | – 6.4.6.3.1 (3) Table 6.6         |
| – 4.3.4 (1)                              | – 6.4.6.3.2 (3)                   |
| – 4.4.1 (2), (3) and (6)                 | – 6.4.6.3.3 (3) Notes 1 and 2     |
| – 4.4.2 (4)                              | – 6.4.6.4 (4) and (5)             |
| – 4.5.1 (Table 4.4a Notes a and b)       | – 6.5.1 (2)                       |
| – 4.5.2 (1) Note 3                       | – 6.5.3 (5) and (9)               |
| – 4.6.1 (2) Note 2c), (3) Note 1 and (6) | – 6.5.4.1 (5)                     |
| – 4.6.4 (3)                              | – 6.5.4.3 (2) Notes 1 and 2       |
| – 4.6.5 (1) Note 2                       | – 6.5.4.4 (2) Note 1              |
| – 4.6.6 (1)                              | – 6.5.4.5                         |
| – 4.7.2.1 (1)                            | – 6.5.4.5.1 (2)                   |
| – 4.7.2.2 (1) Note 1                     | – 6.5.4.6                         |
| – 4.7.3.3 (1) Notes 1 and 3 and (2)      | – 6.5.4.6.1 (1) and (4)           |
| – 4.7.3.4 (1)                            | – 6.6.1 (3)                       |
| – 4.8 (1) Note 2 and (3)                 | – 6.7.1 (2)P and (8)              |
| – 4.9.1 (1) Note 1                       | – 6.7.3 (1)P                      |
| – 5.2.3 (2)                              | – 6.8.1 (11)P Table 6.10          |
| – 5.3.2.1 (1)                            | – 6.8.2 (2)                       |
| – 5.3.2.2 (1)                            | – 6.8.3.1 (1)                     |
| – 5.3.2.3 (1) Note 1                     | – 6.8.3.2 (1)                     |
| – 5.4 (2)                                | – 6.9 (6)                         |
| – 5.6.1 (1)                              | – 6.9 (7)                         |
| – 5.6.2.1 (1)                            | – Annex C (3)P                    |
| – 5.6.2.2 (1)                            | – Annex D (2)                     |
| – 5.6.3 (2) Note 2                       |                                   |
- (b) the Singapore decisions on the status of SS EN 1991-2:2012 informative annexes;
- (c) references to non-contradictory complementary information.