

GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS  
(Railway Board)

INDIAN RAILWAY STANDARD  
CODE OF PRACTICE FOR THE DESIGN OF SUB-STRUCTURES &  
FOUNDATIONS OF BRIDGES  
(Bridge Sub-structures & Foundation Code)

ADOPTED-1936  
FIRST REVISION-1985  
SECOND REVISION-2013

ADDENDUM & CORRIGENDUM SLIP No.3 dated 22.06.2017

Existing clause 4.5.9 be modified to read as under:

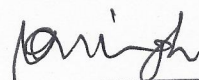
4.5.9 For strengthening existing bridges by jacketing etc., a reduction in waterway area may be allowed by the Chief Bridge Engineer provided that there has been no history of past incidents of overflow/ washout / excessive scour etc. and that measures for safety as considered necessary by the field Engineer and approved by CBE are taken.

Detailed calculation of waterway to be done by Zonal Railway in every case and minimum clearance should be maintained from safety point of view where allowing the reduction in the waterway. Where the clearances are not available, the bridge should be rebuilt.

LUCKNOW

Dated: 22.06.2017

BY ORDER

  
22.06.17

(Kailash Singh)  
Executive Director/Structures  
B&S Directorate  
R.D.S.O., Lucknow

Abhay Kumar  
अभय कुमार  
Director/B&S/CB-II  
निदेशक/पुल एवं संरचना/सी0बी0-2



भारतसरकार-रेलमंत्रालय  
अनुसंधानअभिकल्पऔरमानकसंगठन  
लखनऊ- 226011  
Government of India-Ministry of Railways  
Research Designs & Standards Organisation  
Lucknow- 226011  
Rly. : 032-42124 Phone / Fax : 0522-2465706  
Email : dbs2rdso@gmail.com

No. CBS/PSBC

Dated: 22.06.2017

**The Principal Chief Engineers:**


1. Central Railway, Mumbai CST-400 001.
2. Eastern Railway, Fairlie Place, Kolkata-700 001.
3. East Central Railway, Hazipur- 844 101.
4. East-Coast Railway, Bhubaneshwar- 751 016.
5. Northern Railway, Baroda House, New Delhi- 110 001.
6. North-Central Railway, Allahabad- 211 001.
7. North Eastern Railway, Gorakhpur-273 001.
8. North-Western Railway, Jaipur-302 001.
9. Northeast Frontier Railway, Maligaon, Guwahati-781 061.
10. Southern Railway, Park Town, Chennai-600 003.
11. South Central Railway, Rail Nilayam, Secunderabad-500 371.
12. South East Central Railway, Bilaspur- 495 004.
13. South Eastern Railway, Garden Reach, Kolkata-700 043
14. South-Western Railway, Hubli 580 023.
15. Western Railway, Mumbai-400 020.
16. West-Central Railway, Jabalpur 482 001.

**Sub: Addendum & Corrigendum Slip No. 3 to IRS Bridge Substructures and Foundation code (Second Revision-2013).**

Ref.: Railway Board's letter No. 2016/CE-III/BR/BSC/84/Seminar/Pt. dated 20.06.2017.

In connection with item No. 1063 of 84<sup>th</sup> BSC/2016 and as approved by Railway Board vide letter under reference above, Addendum & Corrigendum Slip No. 3 to IRS Bridge Substructures and Foundation Code (Second Revision-2013) regarding modification of existing Clause No. 4.5.9 is enclosed for information and necessary action please.

Encl.: As above.

  
(Abhay Kumar) 22/06/17  
Director/B&S/CB-II  
For Director General

Copy to:

**A. The Chief Bridge Engineer :**

- 1) Central Railway, Mumbai CST-400 001
- 2) Eastern Railway, Fairlie Place, Kolkata-700 001
- 3) East Central Railway, Hazipur - 844101
- 4) East-Coast Railway, Bhubaneshwar- 751 016
- 5) Northern Railway, Baroda House, New Delhi- 110 001
- 6) North-Central Railway, Allahabad.211 001
- 7) North Eastern Railway, Gorakhpur-273 001
- 8) North-Western Railway, Jaipur 302 001
- 9) Northeast Frontier Railway, Maligaon, Guwahati-781 011
- 10) Southern Railway, Park Town, Chennai-600 003
- 11) South Central Railway, Rail Nilayam, Secunderabad-500 371
- 12) South East Central Railway, Bilaspur 495 004
- 13) South Eastern Railway, Garden Reach, Kolkata-700 043
- 14) South-Western Railway, Hubli 580 023
- 15) Western Railway, Mumbai-400 020
- 16) West-Central Railway, Jabalpur- 482 001


**B. The Chief Administrative Officer (Constn.):**

- 1) Central Railway, Mumbai CST-400 001
- 2) Eastern Railway, Fairlie Place, Kolkata-700 001
- 3) East Central Railway, Mahendrughat, Patna (Bihar)-800 004
- 4) East Coast Railway, Bhubaneshwar, (Orissa)
- 5) Northern Railway, Kashmere Gate, Delhi-110 006
- 6) North Central Railway, Allahabad, (U.P.) – 211 001
- 7) North Eastern Railway, Gorakhpur-273 001
- 8) North Western Railway, Jaipur, (Rajasthan) - 482 001
- 9) Southern Railway, 183, EVR Periyar, High Road, Egmore, Chennai-600 008
- 10) South Central Railway, DRM/ Secunderabad Office Compound, Secunderabad-500 371
- 11) South Eastern Railway, Garden Reach, Kolkata-700043
- 12) South East Central Railway, Bilaspur - 495 004
- 13) South Western Railway, No. 18 Miller Road, Bangalore, (Karnataka) – 560 046
- 14) Western Railway, Mumbai-400 020
- 15) Northern Railway, USBRL Project, Satyam Resort Complex, Trikuta Nagar Extn., Jammu Tawi – 180 012.
- 16) Southern Railway, Ernakulam, Kerala – 682 506
- 17) West Central Railway, Jabalpur – 482 001

C. General Manager (Construction), Construction Organization, N.F. Railway, Maligaon, Guwahati – 781 001.

D. Executive Director Civil Engg./B&S, Railway Board, Rail Bhawan, Room No.140A, New Delhi-110001

E. Director, Indian Railway Institute of Civil Engineering (IRICEN), Pune – 410 001.

  
(Abhay Kumar)  
Director/B&S/CB-II  
For Director General