

**PCE Circular No. 137.****Sub: - Construction and Maintenance of Road over bridges.**

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Large number of ROB's have been constructed in recent past as well as are also under construction by various agencies. The various agencies involved in execution of work are Construction Org., RVNL, DFCCIL, IRCON, NHAI/PWD(NH), State/local Authorities etc. and subsequently maintained by Division/Bridge Line Organization /Road Authorities. The works related to construction of ROB's are executed by different agencies on various modes of funding i.e. cost sharing/ deposit/ BOT etc. These ROB's are constructed with different execution schemes i.e. single/multiple entities.

At present, the role of various agencies involved in construction and subsequent maintenance of the ROB's is not clearly defined. It is also noticed that there is no proper system of handing/ taking over of the ROB's including relevant records. Similarly agreements are also not being executed resulting into problems in repairs/ rehabilitation of the ROB at the later stage. Therefore, to streamline the same, it is necessary to spell out the responsibility of various agencies in comprehensive terms.

1. General Arrangements Drawings (GADs) of ROB's should be prepared as per JPO issued vide No. JP/CAO/C/C/W.420/1 Vol-III dated 13.12.2011 and JP/CAO/C/420/ Vol-III dated 24.09.2013, including all relevant details like inspection arrangement for bearings etc. Properly designed ladders & inspection platforms as per RDSO Report No. BS-113 issued vide Railway Board letter No. 2014/CE-III/BR/Bridge Policy dated 09.10.2014 shall be incorporated in the GADs. The details of referred standard drawings/ type plans of the inspection arrangements shall be mentioned in the GADs and the same need to be approved by Division also before submitting to HQ.
2. After approval of GAD, copy of the same shall also be provided to concerned Division as well as Bridge Line Organization so that they can be associated during execution stage of ROB's.
3. The supervising agency of ROB (Division/ Construction) shall process for CRS sanction before commencement of the work.
4. For each ROB an agreement shall be executed between Division and concerned Road Authorities in standard format before commencement of the work. Agreement shall cover all issues related to construction as well as maintenance after commissioning. The responsibilities of Railways and Road Authorities for future maintenance/ rehabilitation of the ROB shall be clearly spelt out in the agreement.



5. Certain ROB's being constructed on Deposit terms have the provision of longer duration of maintenance period in-built in the mode of execution itself (EPC/BOT/PPP etc.). For such ROB's, annual joint inspection shall be done by the sponsoring agency with Railway (Division/ Bridge Line). Suitable provision shall be incorporated in the standard agreement for such ROB's.
6. Approved detailed drawings/Designs in hard/soft copy should be submitted to CBE office for future reference and repair/rehabilitation works related to ROB's. Divisional officers should permit the work only after approved copy of detailed drawing/ design of respective portion is submitted by executing agency.
7. The maintenance units i.e. Division (for sub structure) and Bridge Line Organization (super structure) should actively involve and coordinate with respective executing agencies during construction stage.
8. Inspection of ROB's before commissioning shall be carried out by the concerned Railway officials as per Railway Board's letter No. 2013/CE-III/BR/IRBM dated 02.07.2018.
9. The closure of level crossing shall be processed well in advance and the CRS sanction for closure of the level crossing must be available before completion of deck slab in Railway portion so that level crossing can be closed along with the commissioning of the ROB. Wherever ROB is planned with subway for closure of level crossing, the subway shall be completed before commissioning of the ROB so that the level crossing can be closed.
10. Before commissioning of ROB's, detailed joint inspection shall be carried out by executing/supervising agency, Divisional authorities and Bridge Line Organization. Deficiencies, if any, shall be recorded jointly and made good before commissioning of the ROB. A copy of the joint note shall be sent to CBE office.
11. After commissioning of the ROB, the same shall formally be handed over to the concerned Division/ Bridge Line unit. Detailed handing over/taking over note shall be prepared based on the joint inspection.
12. All relevant documents/records i.e. completion plan, detailed drawings of bearings, camber readings, load test reports and initial technical inspection report of the bridge etc shall be handed over to maintenance organization i. e. Division and Bridge Line Organization.
13. After taking over the ROB, the details of the same shall be entered into Bridge Registers by respective Division and Bridge Line unit.

(No. HQ/W/PCE/Circulars/Bridge/1 Date 24.08.2018)

  
24/8  
PCE/NWR

**NORTH WESTERN RAILWAY**

Headquarters office  
Jaipur  
Dated 27.08.2018

No. W/432/0/CE

Sr. DEN/Co.  
AH, BKN, JP & JU  
Dy CE/Br./Line.

Sub: Construction and Maintenance of Road over Bridge.

Ref 1.PCE Circular No.137

2.Dy CE/Design's Noteno.HQ/W/PCE/Circular/Bridge/1

Dated 27.08.16

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Please find enclosed herewith a copy of above referred PCE Circular No.137 for information and necessary action Please.

DA/AA (3 page)

  
DyCE/Track

Copy to CAO (C) for Kind information.

