

17/6

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EASTERN RAILWAY
(Construction Department)

No:CAO/C/II/W/2092

Kolkata, dated 17th June, 2011

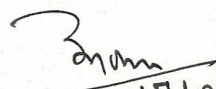
To
CE/C/III, IV & VI
Dy.CE/C/HWH/I, II, III & IV
Dy.CE/C/BGP, JMP,MLDT
Eastern Railway.

Sub: Setting out of important/ major bridges.

Kindly refer 401 of Indian Railway Bridge Manual. The bridges having deep excavation i.e. pile driving/well sinking or standing water; base line should be set out at right angle to centre line of the bridge and actual position of pier/abutments should be determined by intersection of three sight lines. Annexure 4/1 & 4/2 of above manual illustrates examples for setting out of multiple span bridge without and with base lines.

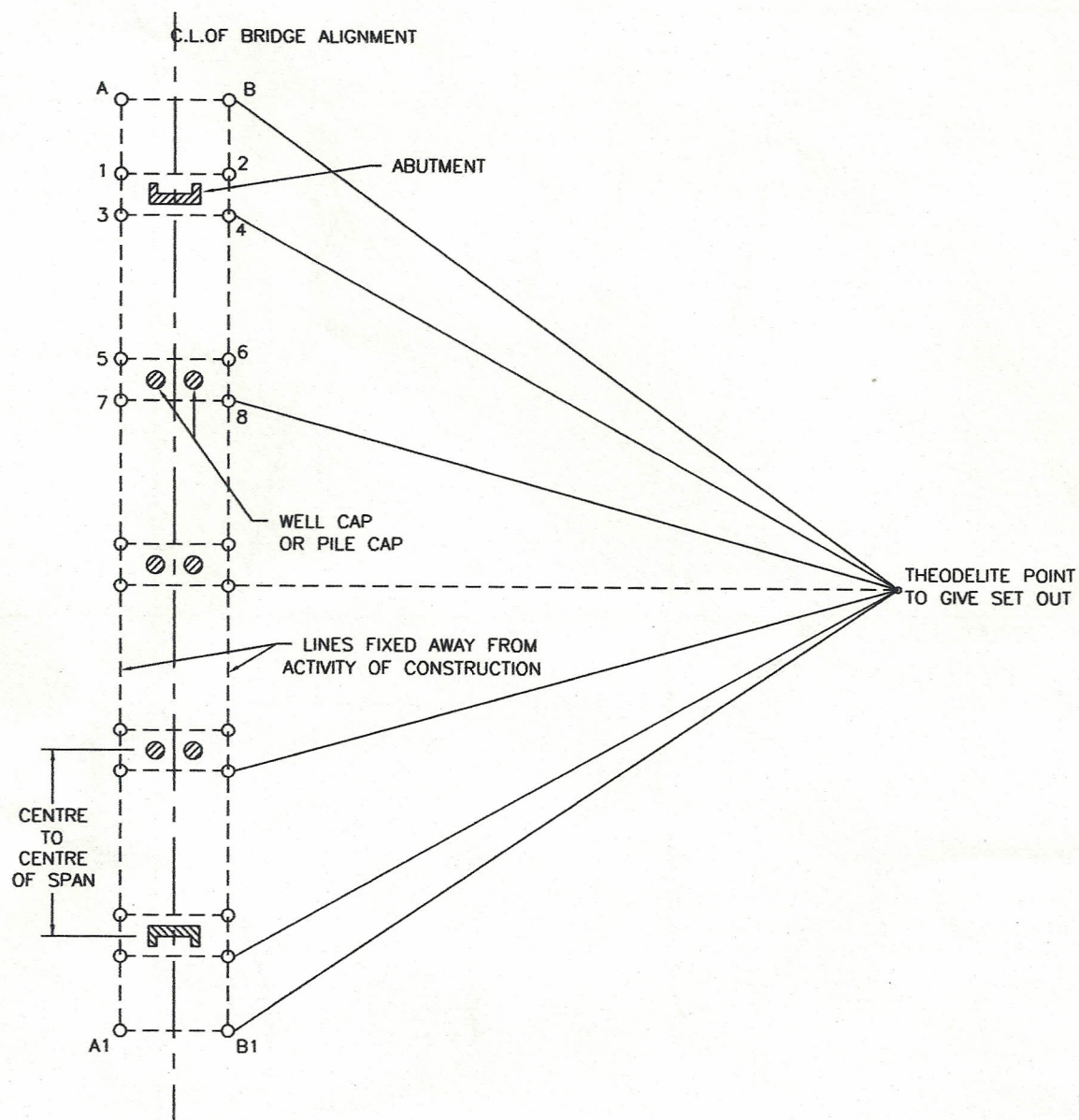
Setting out of bridge as per provision of Bridge Manual should be ensured in the field.

DA: Annexure 4/1 & 4/2
of I.B.M.


(A.K.Mittal) 17/06/11
CAO/Con/II

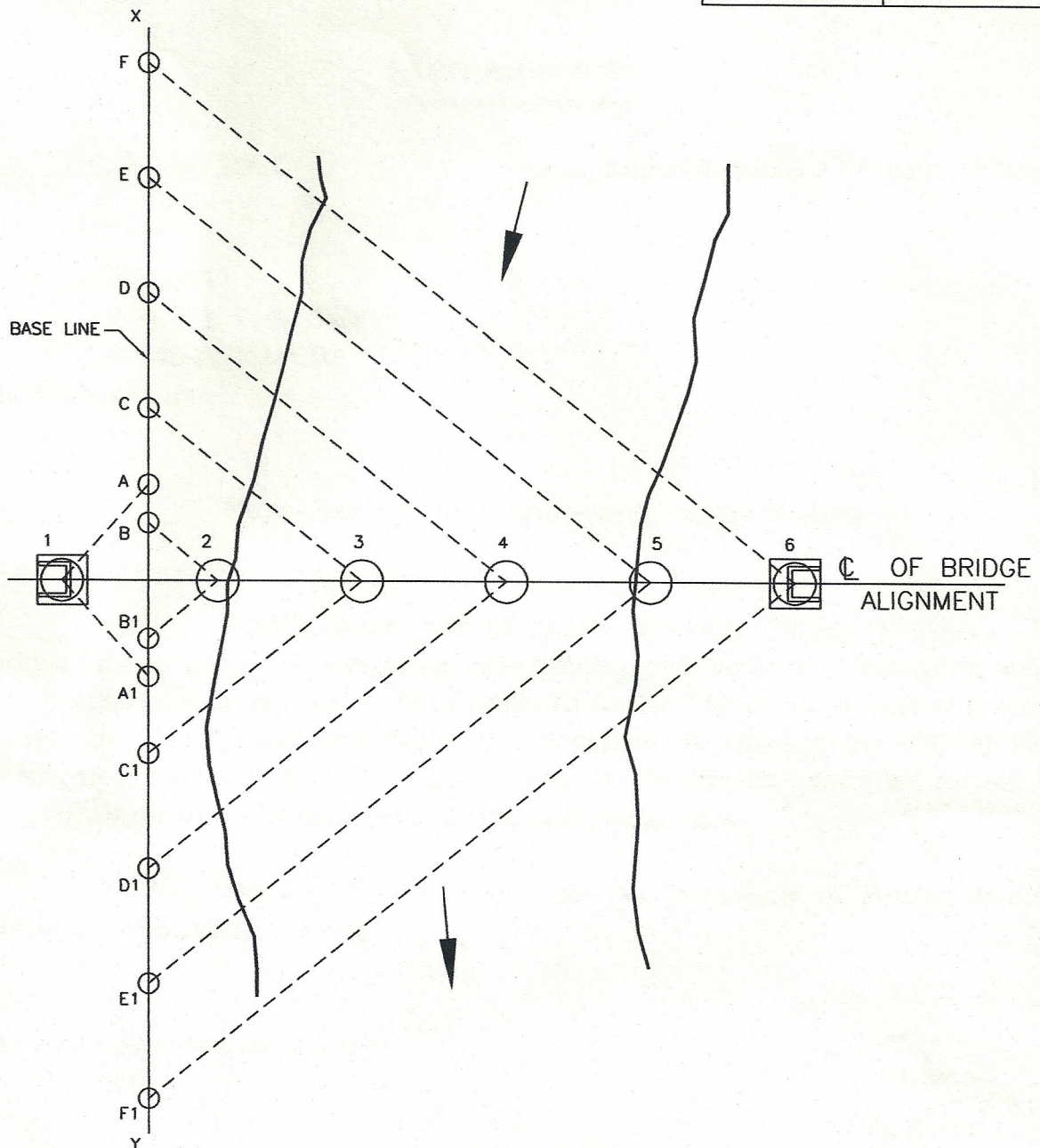
g/c

20.6.2011



1. 1,2,3,4 ARE PEGS EMBEDDED IN CONCRETE FOR ABUTMENT No.1 AND 5,6,7,8 ARE FOR PIER No.1.
2. AA1, BB1 ARE CORRECTLY SETOUT WITH THEODELITE AT A DISTANCE AWAY FROM CL AND SHOULD NOT BE DISTURBED DURING CONSTRUCTION.

आधार रेखा के बिना बहुल स्पैन पुल के
स्थान निर्धारण की पद्धति
METHOD OF SETTING OUT A MULTIPLE SPAN
BRIDGE WITHOUT A BASE LINE.



1. B,A,C,D,E,F AND B1,A1,C1,D1,E1,F1 ARE STATIONS ON UP STREAM AND DOWN STREAM SIDE ON THE BASE LINE X-Y.
2. 1 AND 6 ARE CENTRE POINTS OF ABUTMENTS AND 2,3,4 AND 5 OF PIERS.

आधार रेखा की सहायता से बहुल स्पेन पुल के
लिए पायों और पोल पायों का स्थान निर्धारण

SETTING OUT FOR PIERS AND ABUTMENTS FOR A MULTIPLE SPAN
BRIDGE WITH THE HELP OF A BASE LINE