



NOTES:

01. ALL DIMENSIONS ARE IN MM. AND LEVELS ARE IN METERS UNLESS SPECIFIED OTHERWISE.

02. ALL THE DIMENSIONS SHOWN SHOULD BE VERIFIED AT SITE BEFORE TAKING UP DESIGN WORK IN HAND.

03. FILE CAPACITY = TON, HORIZONTAL = TON

04. MAXIMUM PILE CAPACITY AT THE FOUNDATION LEVEL WILL BE CONSIDERED AS PER GEOLOGICAL REPORT.

05. IF IT IS LESS THAN THE DESIGN PILE LOAD PRESSURE, THE FOUNDATION HAS TO BE REDESIGNED.

06. DRAINAGE SLOUT SHALL BE PROVIDED AS PER MOST SPECIFICATION IN VIADUCT AND AS PER ROAD DRAWING IN ROB PORTION.

07. THE APPROACHES ARE RCC T-BEAM AT VIADUCT PORTION AND RE WALL AT SOLID PORTION.

08. EXPOSURE CONDITION OF THE BRIDGE AND ITS COMPONENTS SHOULD BE DECLARED AS PER IRC-112-2011 / IS-4566. ALL SPECIFICATION LAID DOWN IN IRC CODES / IS-4566 CODE FOR RELEVANT EXPOSURE CONDITION SHALL FOLLOWED AS SUTABLE GROUND APPROVED AND CONSIDERED IN CONSIDERING THE SUB SOIL CONDITION.

09. FOR SUBSTRUCTURE DETAILS OF SUBSTRUCTURE REFER SEPARATE DRAWING UNDO APPROVED BY RAILWAY AUTHORITY.

10. SUBSTRUCTURE SHALL BE CARRIED OUT BY THE PARTY UNDER THE SUPERVISION OF RAILWAY ENGINEERS WITHIN.

11. CRIS SANCTION MUST BE TAKEN BEFORE STARTING WORKS AFFECTING SAFETY OF PASSENGER RUNNING LINES.

12. TYPE OF BEARING : (i) POT CUM PTFE (FOR ROB PORTION) (ii) POT CUM PTFE (FOR VIA VIADUCT PORTION).

13. SUTABLE UTILITY CUTS IF REQUIRED, SHOULD BE PROVIDED BELOW FOOTPATH SLAB WITH THE APPROVAL OF ENGINEER IN CHARGE.

14. R.C.C CRASH BARRIER & WALLING IN RAILWAY PORTION SHALL BE PROVIDED AS PER RSOD DNG./IRC STANDARD.

15. DESIGN SHALL BE AS PER LATEST RELEVANT CODE OF IRC INCLUDING SP-33 AND OTHER CODES AS PER APPROVED BY M.O.T.

16. MAIN SHOULD ENSURE SAFETY DURING EXECUTION OF THE WORK, SO THAT MOVEMENT OF RAIL TRAFFIC MAY NOT BE AFFECTED.

17. SUTABLE SS- IF REQUIRED SHOULD BE IMPOSED BEFORE TAKING UP THE EXECUTION OF WORK WITH THE APPROVAL OF ENGINEER IN CHARGE.

18. TEMPORARY SIGNALING ARRANGEMENT MUST BE DONE AS PER G.R. 15.09 (1) D & S.R. 15.09 (2) OR RS-15.09(2) B & S.R. 15.09 (2) WHICHEVER IS ADAPTABLE IF REQUIRED.

19. LOADING STANDARD OF ROB AS PER IRC-6: 2017.

20. FULL FLEGGED LOAD TEST OF SUPERSTRUCTURE SHOULD BE DONE AS PER IRC-1: SP-5 TO ENSURE QUALITY WORK.

21. DETAILS OF INSPECTION OF BEARING WILL BE SHOWN ON DETAILED STRUCTURAL DRAWING.

FOR ROB PORTION: SUPERSTRUCTURE-M40, SUBSTRUCTURE-M35, PILE CAP-M35, RCC PILE M-35 & PEDESTAL-M40 FOR VIA VIADUCT PORTION: SUPERSTRUCTURE-M35 & M45, SUBSTRUCTURE-M30, PILE CAP-M35, RCC PILE M-35, CRASH BARRIER-M40, APPROACH SLAB-M35, PEDESTAL-M40 & REACTION BLOCK-M35.

22. LEVEL CROSSING NOT.

23. AS THE ROB HAS BEEN PROPOSED AT OTHER L.C. LOCATION, DIVERSION ROAD IS NOT REQUIRED.

24. REINFORCEMENT BARS SHALL BE HY-SD OF GRADE Fe-500D CONFORM TO IS-1786.

25. SUTABLE SPEED RESTRICTION, IF REQUIRED, SHOULD BE IMPOSED BEFORE TAKING UP THE EXECUTION OF WORK WITH THE APPROVAL OF DIVISIONAL ENGINEER IN CHARGE.

26. BEFORE CONSTRUCTION OF ROB, ALL THE EXISTING STRUCTURES/TRACK SHOULD BE PROTECTED BY PROVIDING PROPER SHORING ARRANGEMENT, IF REQUIRED WITH THE APPROVAL OF DIVISIONAL ENGINEER IN CHARGE.

27. UTILITIES IN RAILWAY PORTION AND ON APPROACHES ARE REQUIRED TO BE SHIFTED DURING EXECUTION.

28. DIMENSION GIVEN IN THIS DRAWING MUST BE RECONCILED AT SITE BEFORE START THE WORK FOR FEASIBILITY.

29. METALLISING AND ALUMINIUM PAINTING SHOULD BE DONE ON GIRDERS AS PER PROVISIONS OF PARA 218 OF IRM.

30. ALL THE PRE FABRICATED STEEL GIRDERS SHOULD BE LAUNCHED WITH SUTABLE LAUNCHING SCHEME AS PER SITE REQUIREMENT, WITH THE APPROVAL OF RAILWAY AND AFTER OBTAINING CRIS SANCTION.

31. PROVISION OF CLAMPS IN THE SUPERSTRUCTURE FOR SUPPORTING THE A.C TRACTION WIRE TO BE MADE IN ADVANCE IN CONSULTATION WITH THE CONCERNED AUTHORITIES BASED ON STANDARD PRACTICE.

32. ALL A.C.C./M.C.C./P.C.C. WORK SHOULD CONFORM TO RELEVANT IS/IRC CODES & MOST SPECIFICATION.

33. DIMENSION GIVEN IN THIS DRAWING MUST BE RECONCILED AT SITE BEFORE START THE WORK FOR FEASIBILITY.

34. THE OPTIM OF FOUNDATION SHOWN IN THIS DRAWING IS TENTATIVE & MAY CAN BE CHANGED RCD AS PER ACTUAL SOIL PROPERTIES AND DESIGN CALCULATION.

35. BENT UP RAKE (SHAFTS) @ 2:1 AT 150 CM C/C SHALL BE EMBOSSED IN PER / PIER FOR APPROACHING PIER / PIER CAP & BEARING FOR ROUTINE INSPECTION & MAINTENANCE.

36. REPRESENTATIVE OF TELECOM & SIGNALING DEPARTMENTS MUST BE MADE AVAILABLE BEFORE COMMENCEMENT OF PROPOSED WORK. IN THE VICINITY OF SIGNAL & TELECOM CABLE.

37. TEMPORARY ARRANGEMENT DRAWING OR METHODOLOGY OF LAUNCHING OF GIRDERS OVER RAILWAY TRACK SHOULD BE GOT APPROVED FROM RAILWAY AUTHORITY BEFORE START THE WORK.

38. INDICAL SHALL SUBMIT RELEVANT CERTIFICATES REQUIRED FOR THE SELECTION OF PNC & EXECUTING AGENCY TO S.DEN SHALL ACCORD APPROVAL FOR APPOINTING PNC & EXECUTING AGENCY.

39. DIMENSION GIVEN IN THIS DRAWING MUST BE RECONCILED AT SITE BEFORE START THE WORK FOR FEASIBILITY.

40. PRECAUTIONARY MEASURES FOR CONSTRUCTION OF ROB ON DEPOSIT WORK / COST SHARING WORK WITH LIFE, RAIL / STATE GOVT. AND PRIVATE AGENCY ISSUED BY DIVISION CIVIL ENGINEERING RAILWAY ROAD LETTER NO. 97 / CIVIL/ROB/13/1 DATED 16.07.2008 SHOULD BE STRICTLY FOLLOWED.

41. NO CONSTRUCTION Joints SHALL BE NORMALLY ALLOWED IN CONCRETE WORK WITHOUT SPECIAL PRECAUTIONS AS PER THE RELEVANT BRIDGE CODES AND SUTABLE PROTECTION PAINTING OF APPROVED MAKE SHOULD BE USED TO PAINT THE UNDERSIDE OF CONCRETE ROB GIRDERS TO ENSURE LONG LIFE.

42. GUARD RAIL SHOULD BE PROVIDED IN THE TRACK NEAR ISOLATED PILLAR OF ROB/NO CONSTRUCTION JOINT AS PER THE RELEVANT CODES OF PRACTICE SHALL BE ENSURED BEFORE USE.

43. INSPECTION LADDER / STEPS SHOULD BE PROVIDED TO ENSURE PROPER INSPECTION ACCESSIBILITY OF ROB.

44. STRUCTURAL STEEL SHALL CONFORM TO IS-2062 (GRADE-B).

45. STEEL SEAL TYPE EXPANSION JOINTS SHALL BE PROVIDED AS PER LATEST MOST REQUIREMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF JOINTS FROM DAMAGE BY MOST AT VARIOUS RELEVANT AMBIENT TEMPERATURES TO SUIT SITE CONDITIONS WITH THE APPROVAL OF ENGINEER IN CHARGE.

46. RCC CRASH BARRIER SHOULD BE PROVIDED UP TO 300 MM MINIMUM LENGTH ON EITHER SIDE OF APPROACH EMBANKMENT AS PER MOST SPECIFICATION.

47. TO PROTECT THE CONCRETE FROM DAMAGE DUE TO SMOKE OF LOCOMOTIVES, 400+ WIDE STRIP WITH POLYURETHANE PAINT PREFERRED IN BLACK COLOUR SHALL BE PROVIDED IN SLOTT OF THE DECK OVER RUNNING TRACK.

48. STANDARD MAINTENANCE AGREEMENT SHOULD BE EXECUTED WITH RAILWAY AND NORTH.

49. WHAT SHOULD ENSURE THAT BEFORE LAYING OF ANY NEW WEARING COAT IN FUTURE EXISTING WEARING COAT SHOULD BE COMPLETELY REMOVED.

50. NO WORK SHOULD BE TAKEN UP IN HAND TILL PROOF CHECKED DESIGN AND DRAWING WITHIN RAILWAY PORTION AREA APPROVED BY RAILWAY.

51. MAINTENANCE CHARGES (CAPITALIZED) AND WAY LEAVE CHARGES SHOULD BE DEPOSITED WITH RAILWAYS AT THE TIME OF CRIS APPLICATION IS FILED.

52. ALL STEEL STRUCTURE SHOULD HAVE ANTI-CORROSION PROTECTION OF LONG DURABILITY.

53. WAY-LEAVE FACILITIES / EASEMENT RIGHT ON RAILWAY LAND SHALL BE GOT APPROVED BY COMPETENT RAILWAY AUTHORITY.

54. D & C (SUPERVISION) CHARGES SHOULD BE DEPOSITED WITH RAILWAYS AT THE TIME OF SUBMISSION OF DETAIL DRAWING & DESIGN FOR APPROVAL.

55. QUALITY CONTROL AND SAFETY PRECAUTIONS AND MEASURES TO BE OBSERVED DURING EXECUTION OF ROB THROUGH PNC (PROJECT MANAGEMENT CONSULTANCY).

56. METALLISING AND ALUMINIUM PAINTING SHOULD BE DONE ON GIRDERS AS PER PROVISIONS OF PARA 218 OF IRM.

57. RECOMMENDED SAFE LOAD ON PILE TO BE CONFIRMED BY PILE LOAD TEST (PLT) IN ADVANCE DIFFERENCE IN RESULTS BETWEEN PLT & RECOMMENDED SAFE LOAD MUST BE BROUGHT TO THE NOTICE OF ENGINEER IMMEDIATELY.

58. RE WALL BEYOND 10.0M MAY BE CONSTRUCTED IN STAGES -

• PROVIDE A WAITING PERIOD OF 3 MONTHS SO THAT LONG TERM SETTLEMENT CAN TAKE PLACE.

• CONSTRUCT UP TO DESIRED LEVEL, GRADUALLY.

59. AUTHORITY OF WORK - NHIDCL.

60. PROPOSED BOWSTRING GIRDER AS PER RSOD STANDARD DRAWING NO. 2-ROSD/B/1775(SERIES) FOR 30.0M SPAN COMPOSITE GIRDER.

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