

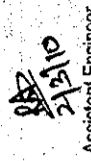


NOTES:-

1. ALL DIMENSIONS ARE IN MM AND LEVELS IN METRES, UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. NO DIMENSION IS TO BE SCALED.
2. PROPOSED BRIDGE IS DESIGNED FOR ONE LANE OF IRC CLASS 70R OR 2 LANE OF CLASS 'A' LOADING WHICHEVER GOVERNS.
3. CONCRETE SHALL BE DESIGN MIX WITH A MINIMUM 28 DAYS CHARACTERISTIC STRENGTH ON 150mm CUBES AS :-
 i) FOR RCC SUPERSTRUCTURE ----- 40MPa
 ii) FOR PSC SUPERSTRUCTURE ----- 45MPa
 iii) FOR CRASH BARRIER ----- 40MPa
 iv) FOR SUBSTRUCTURE ----- 35MPa
 v) FOR PILE & PILE CAP ----- 35MPa
 vi) FOR SUPERSTRUCTURE ----- 40mm
 vii) FOR SUBSTRUCTURE ----- 50mm
 viii) FOR PILE & PILE CAP ----- 75mm
4. CLEAR COVER TO OUTER MOST STEEL SHALL BE AS FOLLOWS.
 i) FOR SUPERSTRUCTURE ----- 40mm
 ii) FOR SUBSTRUCTURE ----- 50mm
 iii) FOR PILE & PILE CAP ----- 75mm
5. TMT HIGH YIELD STRENGTH DEFORMED BARS OF GRADE DESIGNATION Fe-415 CONFORMING TO IS:1786 SHALL ONLY BE USED.
6. BACK FILLING BEHIND ABUTMENTS & RETURN WALLS SHALL CONSIST OF GRANULAR MATERIAL.
7. 65mm THK. A.C WEARING COAT SHALL CONSIST OF UNDER LAYER OF MASTIC ASPHALT 25mm THK. AND ONE LAYER OF ASPHALTIC CONC. 40mm AS PER MORTH SPECIFICATION SECTION 500.
8. STRIP SEAL TYPE EXPANSION JOINTS OF PROVEN QUALITY SHALL BE PROVIDED, IN TERMS OF MODIFIED INTERIM SPECIFICATIONS FOR EXPANSION JOINTS ISSUED VIDE "MORTH" CIRCULAR NO:RAJ/NH-34/059/1796-S&R DATED 30-11-2000 & 25-01-2001.
9. SLOPE/MEDIAN WIDTH AT THE STRUCTURE LOCATION SHALL BE PROVIDED AS PER RELEVANT HIGHWAY CROSS SECTION.
10. PILE CAP TOP AND FOUNDING LEVELS SHOWN IN THE DRAWINGS ARE TO BE VERIFIED AT SITE AND ANY SIGNIFICANT CHANGE IN THOSE SHALL BE BROUGHT INTO NOTICE OF DESIGNER BEFORE EXECUTION.
11. VERTICAL PILE CAPACITY 270 TONS FOR 1.0M DIA AND 1.2M DIA PILES. LATERAL LOAD CAPACITY 25 TONS FOR 1.0M DIA PILES. LATERAL LOAD CAPACITY 38 TONS FOR 1.2M DIA PILES. PILE CAPACITY TO BE CONFIRMED BY PILE LOAD TEST.

REFERENCE DRAWINGS:-

- i) 1213/SMEC/LUDHIANA/21-100/G-01 (SHEET 1 OF 7 TO 6 OF 7)
- ii) 1213/SMEC/LUDHIANA/20-190/E-01 TO E-10 (SHEET 1 OF 2 & 2 OF 2)
- iii) 1213/SMEC/LUDHIANA/SUP-53 TO 63
- iv) 1213/SMEC/LUDHIANA/SUP-64 & 65 (SHEET 1 OF 2 & 2 OF 2)
- v) 1213/SMEC/LUDHIANA/SUP-66 TO 69
- vi) 1213/SMEC/LUDHIANA/MISC-01 & 05

APPROVED FOR EXECUTION

 Assistant Engineer Design (IP)	 Executive Engineer Design (IP)	 Chief Engineer (IP)

SCALE: AS SHOWN

DETAILED PROJECT REPORT
 GENERAL ARRANGEMENT DRAWING
 FOR ROB. AT PROP. CH. 21+100
 (SHEET 1 OF 7)

PROJECT TITLE	1213/SMEC/LUDHIANA/21-100/G-01
CLIENT	PUNJAB INFRASTRUCTURE DEVELOPMENT BOARD
CONSULTANT	SMEC
DATE	04/02/2009
REV	04/02/2009
DESIGN	RAWAT
CHECKED	MRS
DRAWN	RAWAT
APPROVED	S/LA/HR
DETAILS OF REVISION	
APPROVED	S/LA/HR
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