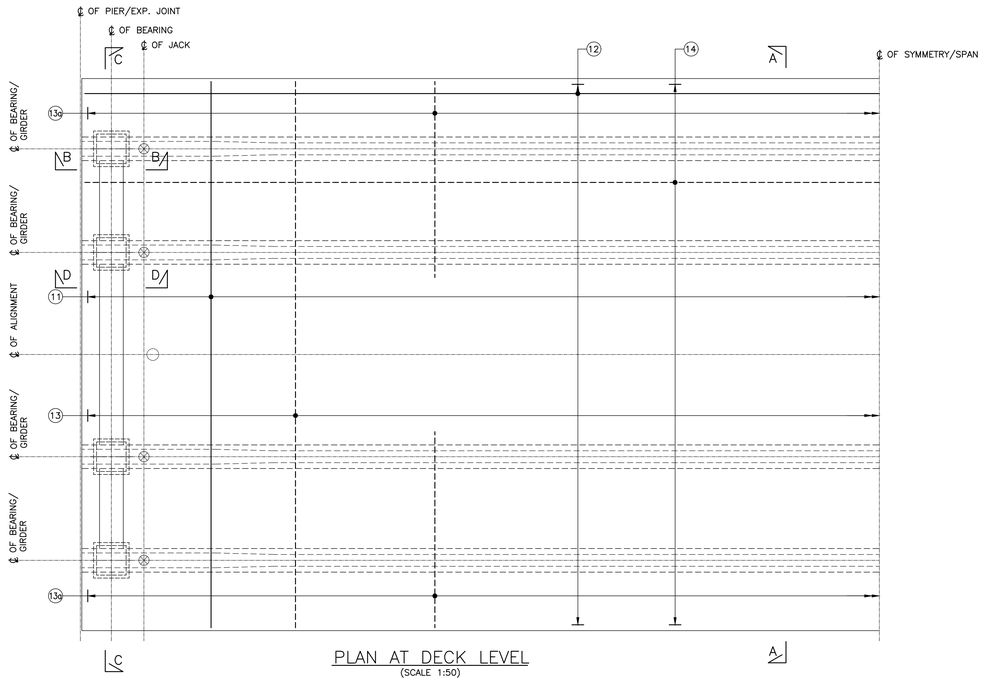
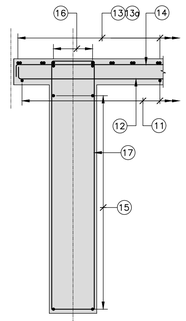
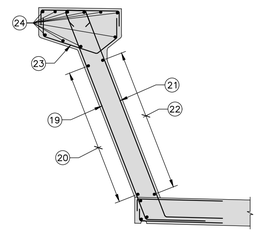


PLAN AT DECK LEVEL
(SCALE 1:50)



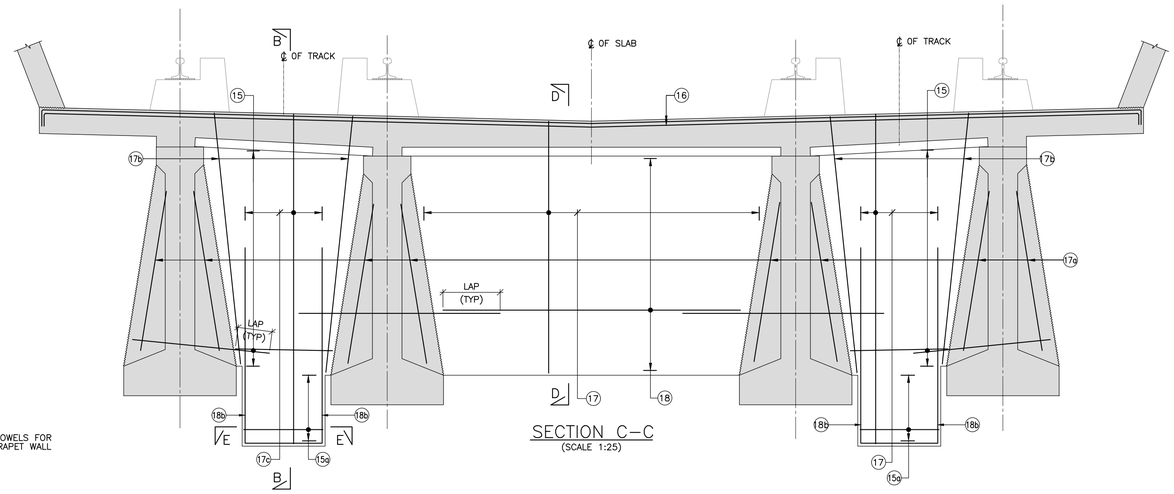
SECTION D–D
(SCALE 1:25)



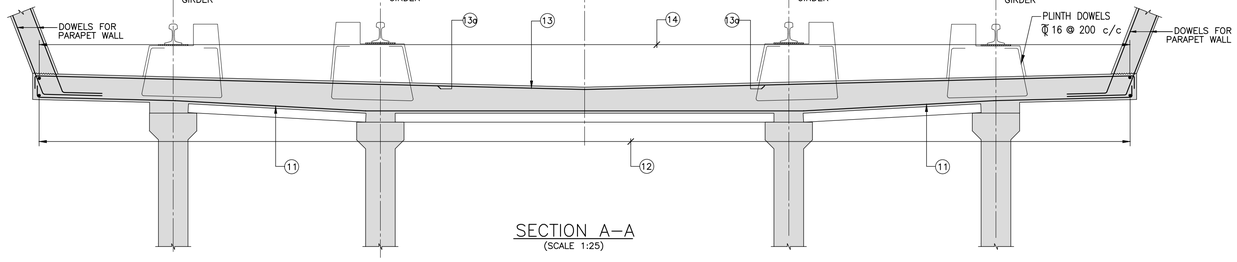
RCC PARAPET WALL DETAILS
(SCALE 1:25)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES. UNLESS OTHERWISE MENTIONED.
2. DIMENSIONS ARE NOT TO BE SCALED, FOLLOW ONLY WRITTEN DIMENSIONS.
3. ALL REINFORCEMENTS SHALL BE Fe–500 CONFORMING TO IS:1786.
4. GRADE OF CONCRETE SHALL BE M40.
5. MINIMUM CLEAR COVER TO ANY REINFORCEMENT SHALL BE 40mm.
6. DEVELOPMENT LENGTH REPRESENTED BY Ld SHALL BE EQUAL TO 41 TIMES THE DIA OF THE BAR.
7. LAP LENGTH SHALL BE EQUAL TO 5B TIMES THE DIA. OF BAR AND NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT A SECTION.
8. ALL LAPS SHALL BE STAGGERED. NOT MORE THAN 50% OF REINFORCEMENT SHALL BE LAPPED AT ANY SECTION.
9. ADEQUATE LINKS/SPACER BARS SHALL BE PROVIDED FOR PROPER POSITIONING OF REINFORCEMENT.
10. FAR FACE BARS SHOWN THUS ———————
    NEAR FACE BARS SHOWN THUS -
11. DOWEL BARS FOR RAIL PLINTH , PARAPET WALL AND OHE MAST PEDESTAL SHALL BE LEFT BEFORE CONCRETING.



SECTION C–C
(SCALE 1:25)



SECTION A–A
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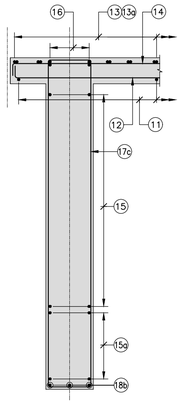
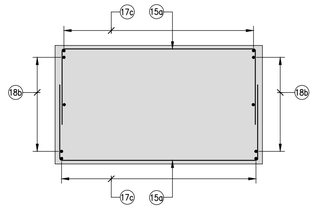


SECTION B–B
(SCALE 1:25)



SECTION E–E
(SCALE 1:10)

SCHEDULE OF REINFORCEMENT

ITEM	BAR MARK	BAR DIA.	SHAPE	TOTAL NOS./ SPACINGS	REMARKS
DECK SLAB	11	℄10	100 … 100	@ 150 c/c	
	12	℄8	100 … 100	@ 175 c/c	
	13	℄12	100 … 100	@ 150 c/c	
	13a	℄12	100 3500	@ 150 c/c	BUNDLED WITH BAR MARK 13
	14	℄8	100 … 100	@ 175 c/c	
DIAPHRAGM	15	℄12	LAP (TYP)	@ 100 c/c	
	15a	℄12	100 … 100	@ 100 c/c	
	16	℄12	100 … 100	4 Nos.	
	17	℄12		@ 100 c/c	
	17a	℄12		2 NOS.	PER GIRDER
	17b	℄12		2x4 Nos.	
	17c	℄12		@ 100 c/c	
	18	℄12	LAP (TYP)	@ 100 c/c	
	18b	℄16		2x6 Nos.	
PARAPET	19	℄10	150 450 500	@ 200 c/c	
	20	℄8	100 … 100	@ 175 c/c	
	21	℄10	150 150 500	@ 200 c/c	
	22	℄8	100 … 100	@ 175 c/c	
	23	℄10		@ 200 c/c	
	24	℄10	100 … 100	10 Nos.	

NOTES :

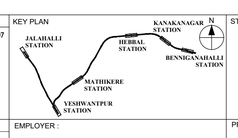
NOTES :

LEGEND :
- BEARING
- JACKING POSITION
- JACKING POSITION
- G — GIRDER

REFERENCE DRAWINGS :
1. 022077–BSRP–CR2–C–VD–GEN–10–2125....GENERAL ARRANGEMENT AND DIMENSIONAL DETAIL OF 28M SPAN SUPER STRUCTURE AT VIADUCT DOUBLE TRACK
2. 022077–BSRP–CR2–C–VD–GEN–10–2126....REINFORCEMENT DETAILS OF 28M SPAN SUPERSTRUCTURE AT VIADUCT DOUBLE TRACK
3. 022077–BSRP–CR2–C–VD–GEN–10–2127....PRE TENSIONED STRAND DETAILS FOR 28M SPAN SUPERSTRUCTURE AT VIADUCT–DOUBLE TRACK

REFERENCE DOCUMENTS :
1. DOC–BSRP–CR2–EV–DGN–GEN–10–1307

KEY PLAN



STATION BOX KEY PLAN

EMPLOYER :

DESIGNATION	NAME	SIGN

REVISIONS

REV	DATE	BRIEF DESCRIPTION
B	07.12.23	FOR APPROVAL
A	20.09.23	FOR APPROVAL

CONTRACTOR :
TRANSPORTATION INFRASTRUCTURE IC
EDRC–SPECIAL BRIDGES

DETAILED DESIGN CONSULTANT (DDC) :
STUP Consultants Pvt. Ltd.
#1 & 1Dev Jamboukeshwar Arcade
#80, 4th Floor,
Hosur Road, Bengaluru–560052.
Tel : 080–2269 8940
Email : bangalore@stupsystem.com
www.stupsystem.com

PROOF CONSULTANT (PC) :
Indian Institute of Technology Madras
IIT P.O., Chennai
600 036 INDIA

QUALITY ASSURANCE
The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of Contract provisions in respect of design analysis and drawing rests with Design & Build Contractor.

	DDC			PC	Contractor
SIGN					
DATE	07.12.2023	07.12.2023	07.12.2023		
NAME	SSG	ADR	SDC		
	PREPARED BY	CHECKED BY	APPROVED BY	APPROVED BY	ISSUED BY

GENERAL CONSULTANTS

CHECKED	NAME	SIGN
CIVIL & STRUCTURAL		
GEO-TECHNICAL		

	REVIEWED DY. PD	PROJECT DIRECTOR
SIGN		
NAME		
DATE		

EMPLOYER :
RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED

GENERAL CONSULTANTS :
AECOM egis WSP AECOM-EGIS-WSP

PROJECT : BENGALURU SUBURBAN RAILWAY PROJECT (BSRP)
K-RIDE CORRIDOR - 2

DRAWING TITLE : REINFORCEMENT DETAILS OF 28M SPAN SUPER STRUCTURE AT VIADUCT - DOUBLE TRACK (DECK SLAB AND DIAPHRAGM)

DRAWING NO. : O22077-BSRP-CR2-C-VD-GEN-10-2128
REVISION : B
DWG STATUS : D
SCALE : AS SHOWN
DATE : 20.09.2023
PRELIMINARY DWG (P), DEFINITIVE DWG (D), CONSTRUCTION DWG (C), AS BUILT DWG (B), SHOP DWG (S), MANUFACTURED DWG (M)
SHEET SIZE - A1

01/12/2023 1:16 PM
B S:\02 - E&I Production\03 - Mumbai\04 - SH_ENG\IN0542\CAD\WORKING\VIADUCT\SUPERSTRUCTURE\I-GIRDER\DOUBLE TRACK\28 M\O22077-BSRP-CR2-C-VD-GEN-10-2128_C.dwg