



- 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 L_d SHALL BE EQUAL TO 41 TIMES THE DIA OF THE BAR.
 7. LAP LENGTH SHALL BE EQUAL TO 58 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 ONE MAST PEDESTAL SHALL BE LEFT BEFORE CONCRETING.

- REFERENCE DRAWINGS :
1. 022077-BSRP-CR2-C-VD-GEN-30-2481..... GENERAL ARRANGEMENT DETAILS OF 21.3M CURVED SPAN (R=200M) SUPERSTRUCTURE AT VIADUCT FOR DP186 TO DP187 - SINGLE TRACK
 2. 022077-BSRP-CR2-C-VD-GEN-30-2482..... REINFORCEMENT DETAILS OF FOR 21.3M CURVED SPAN (R=200M) SUPERSTRUCTURE AT VIADUCT FOR CR2 FOR DP186 TO DP187 SINGLE TRACK
 3. 022077-BSRP-CR2-C-VD-GEN-30-2483..... PRE TENSIONED STRAND DETAILS FOR 21.3M CURVED SPAN (R=200M) SUPERSTRUCTURE AT VIADUCT FOR CR2 FOR DP186 TO DP187 SINGLE TRACK
 4. 022077-BSRP-CR2-C-VD-GEN-30-2391..... MISCELLANEOUS DETAIL DRAWING FOR PRETENSION I GIRDER SUPERSTRUCTURE

SCHEDULE OF REINFORCEMENT					
ITEM	BAR MARK	BAR DIA.	SHAPE	TOTAL NOS./ SPACINGS	REMARKS
DECK SLAB	11	10	100	150 c/c	BOTTOM
	11a	10	100	150 c/c	HAUNCH R/F
	11b	10	7x2 NOS.		HAUNCH R/F
	11c				NOT USED
	12	10	100	200 c/c	BOTTOM
	13	12	100	100 c/c	TOP
	13a	12	100	100 c/c	BUNDLED WITH BAR MARK 13
	14	10	100	200 c/c	TOP
	15	12		100 c/c	
	15a	10		100 c/c	
DIAPHRAGM	15b	10		100 c/c	
	15c	12		100 c/c	
	15d				NOT USED
	16	20	100	5 Nos.	END DIA.
	16a	20	100	4 Nos.	INTER. DIA.
	17	12		200 c/c	
	17a	12		2x2 NOS.	PER GIRDER
	17b				NOT USED
	17c	16		7 Nos.	
	18				NOT USED
	18a	16	1230	3x2 Nos.	

GOOD FOR CONSTRUCTION

NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE. 2. FOLLOW FIGURED DIMENSIONS ONLY. 3. SUITABLE PROVISION TO BE MADE FOR ANCHORING ONE MAST. 4. GROUTING SHOULD BE DONE SOON AFTER STRESSING OF THE STRANDS WITH NEAT CEMENT GROUT (WITH APPROVED ADMIXTURES IF REQUIRED) AS PER SPECIFICATION. 5. CONCRETE GRADES FOR ALL SUPERSTRUCTURE COMPONENTS - GIRDER-M40 DECK SLAB AND DIAPHRAGM-M40 PARAPET-M40		LEGEND: ⊗ - BEARING ⊗ - JACKING POSITION ↑ - JACKING POSITION G - GIRDER		REFERENCE DRAWINGS: 1. DOC-BSRP-CR2-EV-DGN-GEN-30-1373		REFERENCE DOCUMENTS: 1. DOC-BSRP-CR2-EV-DGN-GEN-30-1373		KEY PLAN JALAHALLI STATION MATHKERE STATION YESHWANTPUR STATION KANAKANAGAR STATION BENGGANAGALLI STATION		STATION BOX KEY PLAN	
REVISIONS REV. DATE BRIEF DESCRIPTION 0 23.12.24 REVISED AS PER GC'S LETTER NO. 3479 a 01.10.24 FOR APPROVAL		CONTRACTOR: TRANSPORTATION INFRASTRUCTURE IC EDRC-SPECIAL BRIDGES DETAILED DESIGN CONSULTANT (DDC): STUP Consultants Pvt. Ltd. PLOT NO. 100, 1ST FLOOR, MIDC AREA, KALBURGI, BANGALORE-560052 TEL: 080-2208 9900 Email: stupconsultants@gmail.com PROOF CONSULTANT (PC): Indian Institute of Technology Madras IIT P.O., Chennai 600 036 INDIA L&T CONSTRUCTION EDRC-SPECIAL BRIDGES - TIC		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. SIGN DATE 23.12.2024 23.12.2024 23.12.2024 23.12.2024 NAME HSS BYM PC JSJ PREPARED BY CHECKED BY APPROVED BY APPROVED BY ISSUED BY		GENERAL CONSULTANTS CHECKED & APPROVED NAME SIGN PROJECT DIRECTOR SIGN NAME DATE DESIGNATION SIGN DATE K RIDE CIVIL GAD CIVIL ALIGNMENT CIVIL STRUCTURAL CIVIL GEOTECH		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 21.3M CURVED SPAN (R=200M) SUPERSTRUCTURE AT VIADUCT FOR CR2 FOR DP186 - DP187 SINGLE TRACK (DECK SLAB AND DIAPHRAGM) DRAWING NO.: 022077-BSRP-CR2-C-VD-GEN-30-2484 SCALE: AS SHOWN DATE: 27.09.2024 REVISION 0 DWG STATUS C SHEET SIZE - A1	