

TYPICAL DETAILS OF
HOOK FOR LINKS
(d-DIAMETER OF LINKS)
(SCALE 1:25)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS SPECIFIED OTHERWISE.
2. FOLLOW FIGURED DIMENSIONS ONLY DO NOT SCALE THE DRAWING.
3. GRADE OF CONCRETE SHALL BE - M30
4. GRADE OF STEEL SHALL BE Fe-500 CONFORMING TO IS:1786-2008.
5. MINIMUM CLEAR COVER TO REINFORCEMENT SHALL BE 50mm
6. DEVELOPMENT LENGTH REPRESENTED BY L_d SHALL BE EQUAL TO 46 TIMES THE DIA OF BAR
7. LAP LENGTH SHALL BE EQUAL TO 73 TIMES THE DIA OF BAR.
8. LAPPING OF BARS SHALL BE SUITABLY STAGGERED AND IN NO CASE MORE THAN 50% BARS SHALL BE LAPPED AT ANY SECTION.
9. NECESSARY SOIL STABILIZATION SHALL BE DONE CONSIDERING THE ACTUAL TYPE OF SOIL & MAXIMUM DESIGN SOIL PRESSURE BELOW BASE SLAB.

LEGEND:-

1. PCC - PLAIN CEMENT CONCRETE
2. TYP - TYPICAL
3. --- - TOP REINFORCEMENT
4. --- - BOTTOM REINFORCEMENT

REFERENCE:

1. DESIGN DOCUMENT No- DDC-BSRP-CR2-AG-DGN-BR-20-1567
2. GENERAL ARRANGEMENT DRAWING No- O22077-BSRP-CR2-C-NB-0-20-1180
3. GENERAL ARRANGEMENT DRAWING No- O22077-BSRP-CR2-C-NB-0-20-1186

EMPLOYER :

RAIL INFRASTRUCTURE DEVELOPMENT
COMPANY (KARNATAKA) LIMITED

GENERAL CONSULTANTS:

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CONTRACTOR :

L&T CONSTRUCTION

PROOF CONSULTANT :

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LOADING STANDARD

A) PRO. BRIDGE: 25T-AXLE LOAD 2008 STD

DIMENSIONAL AND REINFORCEMENT DETAILS

BENGALURU SUBURBAN RAILWAY PROJECT (BSRP)
BETWEEN STATIONS YESHWANTPUR AND CHIKKABANAVARA

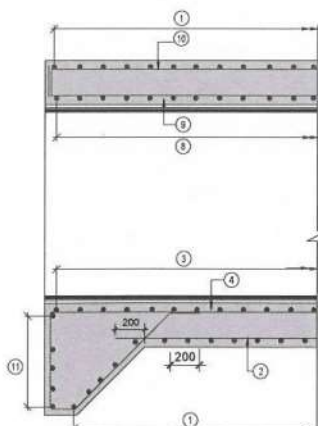
PRO. CONSTRUCTION OF MINOR BRIDGE No.410C
AT CH:19.164 & 411 AT CH:18.736
OF 1 x 1.80 X 1.35m

HQ.DRG.NO:

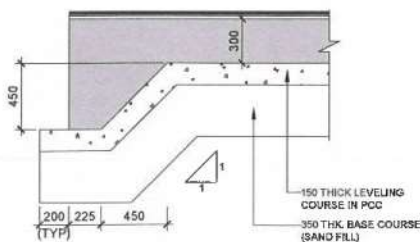
SCALE - AS SHOWN

O22077-BSRP-CR2-C-NB-0-20-1181

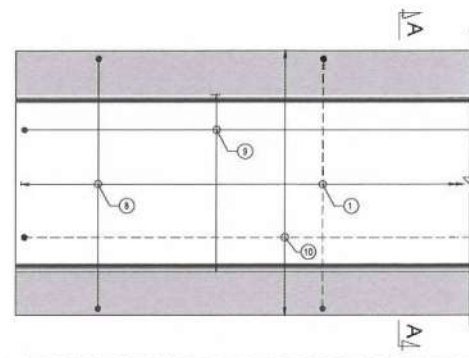
REINFORCEMENT DETAILS OF
SHEAR KEY AT BASE SLAB
(SCALE 1:25)



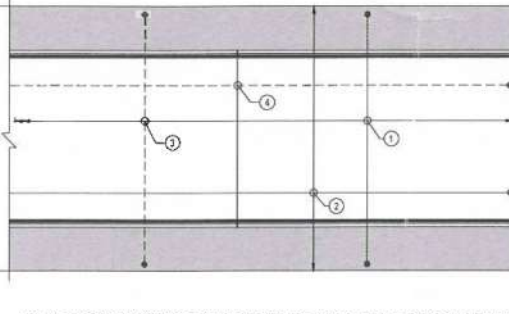
DIMENSIONAL DETAILS OF
SHEAR KEY AT BASE SLAB
(SCALE 1:25)



PLAN SHOWING TOP SLAB REINFORCEMENT
(SCALE 1:25)



PLAN SHOWING BOTTOM SLAB REINFORCEMENT
(SCALE 1:25)



SCHEDULE OF REINFORCEMENT

| BAR MARK | SHAPE OF BAR | BAR DIA | SPACING | REMARKS |
|----------|--------------|---------|---------|---------|
| 1 | □ | 12 | 170 c/c | |
| 2 | — | 8 | 170 c/c | M = 150 |
| 3 | — | 12 | 170 c/c | M = 150 |
| 4 | — | 8 | 170 c/c | M = 150 |
| 5 | — | 8 | 170 c/c | M = 150 |
| 6 | — | 12 | 170 c/c | M = 150 |
| 7 | — | 8 | 170 c/c | M = 150 |
| 8 | — | 8 | 170 c/c | M = 150 |
| 9 | — | 8 | 170 c/c | M = 150 |
| 10 | — | 8 | 170 c/c | M = 150 |
| 11 | — | 12 | 170 c/c | M = 150 |

Structural Design Proof - Checked
and Found Satisfactory

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DETAILED DESIGN CONSULTANT (DDC)

PREPARED BY: KNS
CHECKED BY: AEC
APPROVED BY: ATS

HQ/SWR/UBL
JE/BRIDGE/HQ
AXEN/BRIDGE/HQ
DY/CE/BR/HQ
CSE/SWR

SBC DIVISION
S/OEN/NSBC
S/OEN/SBC
ADM/T/SBC
DRM/SBC

DESIGN DIRECTOR (L&T)
PROJECT MANAGER (L&T)
PROJECT DIRECTOR (GC)
Add GM/Civil/PROJECTS (K RIDE)
GM/Civil/PROJECTS (K RIDE)