

NOTES

- ALL DIMENSIONS ARE SHOWN IN MILLIMETERS, REDUCED LEVELS ARE IN METERS & CHANGES ARE IN KILOMETERS UNLESS STATED OTHERWISE.
- DO NOT SCALE THE DRAWING. FOLLOWING DIMENSIONS ONLY.
- THE TYPE, DESIGN & DEPTH OF FOUNDATION SHOWN IN GAD ARE INDICATIVE ONLY. THE ACTUAL TYPE, DEPTH OF FOUNDATION WILL BE DECIDED BY THE ENGINEER-IN-CHARGE AS PER ACTUAL SOIL ENCOUNTERED AT THE SITE DURING EXCAVATION.
- SCB OF SOIL AT FOUNDATION LEVEL IS APPROX. 20.0T/SQM FOR RCC BOX. SOIL IMPROVEMENT TO BE DONE WITH SAND AND BOULDER FILLING.
- PRO BRIDGE WITH UP & DN LINE IS ON THE DOWN STREAM SIDE OF THE EXISTING BRIDGE.
- SCOURING AND DIMENSIONAL DETAILS OF OLD BRIDGE (EXG.) AS PER COMPLETION DRAWING.
- DISMANTLING OF EXISTING PROTECTIVE/RETICCHING SHOULD BE DONE AS PER SITE CONDITION.
- EXPOSURE CONDITION IS MODERATE.
- CONTROLLED CONCRETE AS PER DESIGN MIX TO BE USED AND MIXED BY WEIGH BATCHING.
- FOR TOP SURFACE OF CONCRETE AT THE END OF EACH DAYS WORK DEPRESSION IN 20-30GZ PATTERN TO BE FORMED BY EMBEDDING WOODEN SCANTLING OR SLEEPERS TO FORM KEY FOR ADEQUATE BOND FOR THE NEXT DAYS CONCRETING.
- IF ANY TOP WORKING SURFACE SHALL BE REMOVED BY SCRUBBING THE SURFACE WITH WIRE BRUSH WITHOUT DISLODGING THE PARTICLES OF AGGREGATE, THE SURFACE SHALL BE THOROUGHLY WETTED & CAN BE COATED WITH NEAT CEMENT GROUT BEFORE FIRST LAYER OF CONCRETE IS LAID.
- THE BOULDER FILLING SHALL CONSISTS OF WELL-HAND PACKED BOULDERS & COBBLES TO THICKNESS NOT LESS THAN 500 mmBETWEEN THE BOULDER FILLING. BACKFILLING MATERIALS SHALL CONSIST OF GRANULAR MATERIALS OF C.U. OR, SW CORRESPONDING AS PER IS 1485- 1970.
- WHILE EXECUTION OF PRO. BRIDGE, EXISTING FLOOR PROTECTIVE WORKS MAY GET DAMAGED, SO TO PROTECT THE EXG.BRIDGE FROM SCOURING EFFECT FLOORING PROTECTIVE WORKS WILL BE PROVIDED.
- SUITABLE SPEED RESTRICTIONS MAY BE IMPOSED BASED ON SITE CONDITIONS WHENEVER & WHEREVER REQUIRED TO ENSURE SAFETY OF RUNNING LINE.
- NECESSARY SHORING ARRANGEMENTS TO BE DONE AS PER THE SITE CONDITIONS FOR PROTECTION OF EXISTING BRIDGE. PROVIDED AT SITE AS PER THE APPROVED DRAWINGS, BEFORE COMMENCEMENT OF WORK.
- THE INSTRUCTIONS CONVEYED VIDE PCE CIRCULAR NO 01/2021 / 2015 DT09-03-15, REGARDING WORK DISCIPLINE AT SITE AND AS PER PCE CIRCULAR NO 01/2021 DATED: 22.06.2021 REGARDING "ENSURING THE WORK DISCIPLINE AT THE SITE" SHALL BE STRICTLY FOLLOWED.
- ENGINEER-IN-CHARGE SHALL ENSURE THAT AFTER SOIL IMPROVEMENT SCB OF THE SOIL BELOW THE BOX SHALL BE MORE THAN 22.0T/SQM.
- ENGINEER-IN-CHARGE SHALL ENSURE THAT LEVEL OF THE FOUNDATION OF DROP WALL, CURTAIN WALL AND RETAINING WALL SHALL BE SUFFICIENTLY LOWER LEVEL THAN THE REQUIRED CALCULATED SOIL LEVEL.
- THE THICKNESS OF BOULDERS AND SAND FILLING SHALL BE CONFIRMED BY THE ENGINEER-IN-CHARGE AT THE SITE AFTER CONDUCTING A PLATE LOAD TEST AND SHOULD SATISFY THE DESIGN SCB VALUE SHOWN IN THE DRAWING.

ENGINEER IN CHARGE SHOULD ENSURE THAT SUITABILITY OF THE EXISTING BRIDGE TO TAKE CARE OF THE TRAFFIC DISPERSED FOR ITS ELEMENTS SUCH AS SUBSTRUCTURE AND FOUNDATION BEFORE TAKING UP PROPOSAL WORK.

REFERENCE:

PROJECT SIMILAR TO DRG NO. RDSOB-10155 & RDSOIB-10155/66 (SIZE-2.00 X 1.80M & FILL-5.00M).

RETAINING WALL REFER DRAWING NO-024008-BSPR-CRA-C-AG-ERS-20-8002.

WEEP HOLES AS PER PARA 7.6 OF SUB-STRUCTURE.

CURB/RETAINER AS PER DESIGN MONOLITHIC WITH THE BOX. REFER DRAWING NO-024008-BSPR-CRA-C-AG-ERS-20-8006.

DROP/CASTLAIN WALL AS PER DESIGN.

BACKFILL MATERIAL BEHIND RCC BOX TO PROVIDE AS PER PARA 7.5 OF IRS BRIDGE SUBSTRUCTURE & FOUNDATION CODE.

SHORING ARRANGEMENT ARE AS PER DESIGN AS PER SITE REQUIREMENT.

DETAILS OF EXISTING STRUCTURE SHOWN ARE AS PER IR CEMENT CONCRETE DRAWING FOR FENCING AND CABLE TRAY REFER SEPARATE DRAWING.

HYDRAULIC REPORT NO.102-IR-1983.


11. GEOTECH REPORT NO-DOC-BSRP-CR4-AG-DGN-GB-10-2078.

LEGEND:

Total Barrel length of MIB 527 = 14m.

Completed Barrel length = 0m

Remaining Barrel length = 14m



<p>GENERAL CONSULTANTS:</p> <div style="display: flex; align-items: center;"> <div> <p>AECOM <i>WSP</i></p> <p>EGIS-AECOM-WSP</p> </div> </div>	
<p>RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED</p> <p><u>BENGALURU DIVISION</u></p> <p>BAIYAPPANAHALLI - RAJANUKUNTE SECTION OF BSRP C-4</p>	
<p>PROPOSED MINOR BRIDGE NO.527 AT BSRP CH:32+615</p> <p>AS 1x1.50x1.65m RCC BOX (CAST-IN-SITU) ON DOWN STREAM SIDE OF</p> <p>THE EXG. BRIDGE OF 1x1.20 DIA RCC PIPE BETWEEN</p> <p>CHANNASANDRA AND JAKKUR STATIONS</p>	
<p>AUTHORITY OF WORK:</p> <p>AS PER BSRP DFSR</p>	<p>DRG.NO:</p> <p>K.RIDE DRG.NO: KRIDE/BSRP/C-4/PKG2/MIB-527</p>
<p>HQ.DRG.NO:</p>	<p>SCALE - 1 : 100</p>