



PROPOSED BRIDGE LEVELS (M)

S.NO.	BR.NO.	PROPOSED BRIDGE SPAN	G.L (m)	MAIN TRACK F.L (m)	LOOP TRACK F.L (m)	F.D.L. 1 (m)	F.D.L. 2 (m)	FR. 1 (m)	FR. 2 (m)
1	BURIED BOX LC-79	2 X 4.00M X 3.60M RCC BOX	75.333	81.399	81.399	71.155	71.155	71.705	71.705

PROPOSED DIMENSIONS DETAILS(M)

L1	L2	L3	h1	h2
43.832	26.832	13.416	5.644	5.644

EXISTING TRACK

LOWEST RAIL LEVEL (m)
77.145



DETAILS OF BORE HOLE



NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
3. CODES TO BE FOLLOWED (WITH LATEST CORRECTIONS ALP)
 - a) IRS BRIDGE RULES.
 - b) IRS CONCRETE BRIDGE CODE.
 - c) IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.
 - d) RELEVANT BIS CODES.
 - e) IRE BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.
 - f) IRE CONCRETE BRIDGE CODE.
 - g) IRE BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.
 - h) IRE CONCRETE BRIDGE CODE.
4. LOADING TO BE FOLLOWED IS D.F.C. LOADING & (IRC/MORTH) (32.5 TON AXLE LOAD)
5. GRADE OF REINFORCEMENT STEEL Fa-500 CONFORMING TO IS 1786-2008
6. BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE
7. ALL DIMENSIONS AND LEVELS SHOULD BE VERIFIED & RECONCILED BEFORE EXECUTION.
8. CONSTRUCTION JOINTS SHALL BE PROVIDED AS PER APPENDIX-A OF IRS CONCRETE BRIDGE CODE.
9. WEEP HOLES SHALL BE OF 75/100mm DIA PVC PIPES STAGGERED @1000c/c HORIZONTALLY AND @1000mm VERTICALLY THROUGH RETURN WALL.
10. WORK SCHEME SHALL BE SUCH THAT ADJACENT IR TRACK IS NOT AFFECTED IN ANY WAY. HOWEVER, IF IT IS INESCAPABLE THE SITE ENGINEER WILL DECIDE THE IMPOSITION OF TEMPORARY SPEED RESTRICTION.
11. BEARING CAPACITY OF SOIL IS 28T/M².
12. MAXIMUM BASE PRESSURE UNDER SERVICE CONDITION IS 12.5 T/M²
13. THE EXECUTION OF WORKS SHALL BE DONE SO AS TO ENSURE THAT EXISTING IR TRACK IS IN SAFE CONDITION.
14. BALLAST CUSHION SHALL BE MINIMUM OF 350MM AND MAXIMUM OF 400MM.
15. THE GRADE OF CONCRETE TO BE USED ARE AS FOLLOWS:-
 - a) FOR R.C.C. BOX M35
 - b) FOR LEVELING COURSE M20
16. CLEAR COVER FOR REINFORCING BARS SHOULD BE 50MM.
17. 60MM THICK SPALLER FINISH SHOULD BE USED AND PACKED BOULDERS AND COBBLES BEHIND VERTICAL WALLS OF BOX AND R.C.C WALLS SHOULD BE PROVIDED.
18. A MINIMUM SAND LAYER OF 300MM TH TO BE SPREAD BELOW RCC.
19. ALL R.C.C WORKS TO BE DONE AS PER IRS CONCRETE BRIDGE CODE.

REV. NO.	DATE	STATUS	DESCRIPTION	DESIGNED	DRAWN	CHECK	DESIGN CONS.
A	04.07.17	P	CROSS SECTION REVISED	KSN	SS	KSN	
0	13.10.15	P	FIRST SUBMISSION	KSN	SS	KSN	

PROJECT:	Design & Construction of Rail Flyover Near Ganjkwaja on Lumposan Basis in different stretches between Dehri-on-Sone & Miglhal Sarai of Eastern Dedicated Freight Corridor
DETAIL:	GENERAL ARRANGEMENT DRAWING FOR RCC BURIED BOX NEAR LC-79 @ CH.113+216.945

SCALE:	NTS
DRG.NO.	ASCILFSGPTDFCECBURIED BOX/79C/201
REVISION	A

COMPANY:	IL & FS Engg - GPT (JV)
CLIENT:	ASC INFRA TECH PVT. LTD.
STATUS:	P