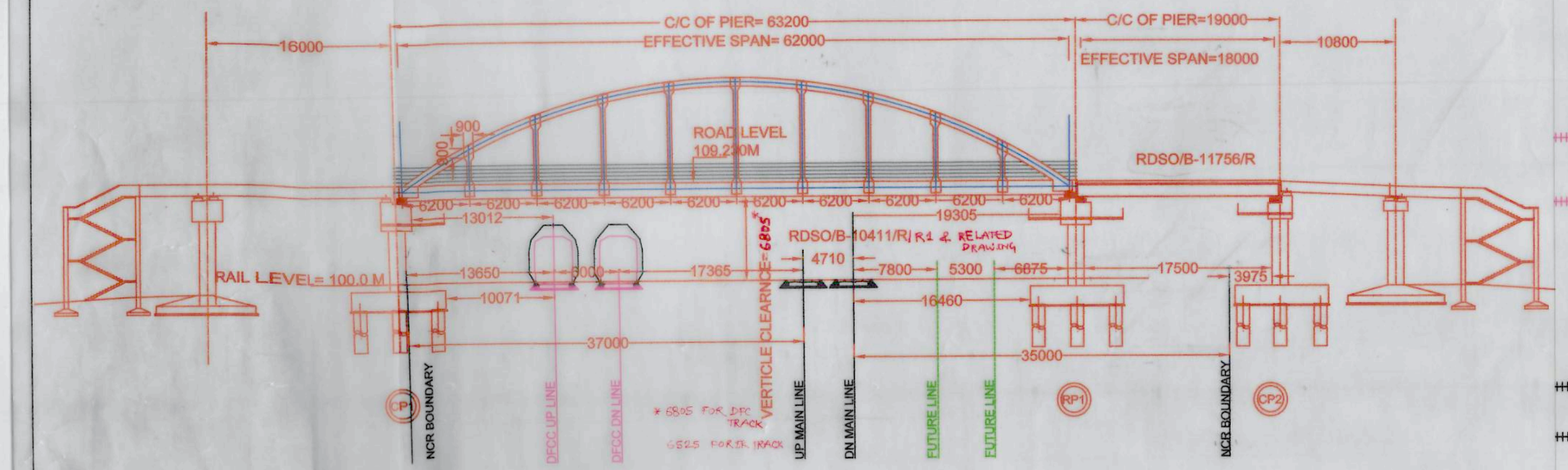
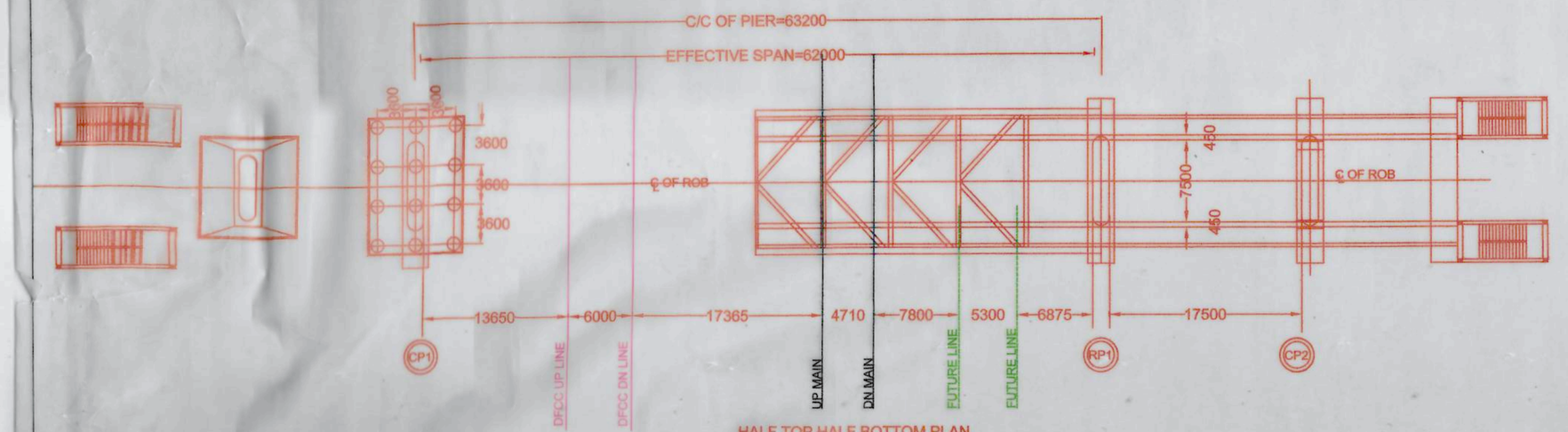
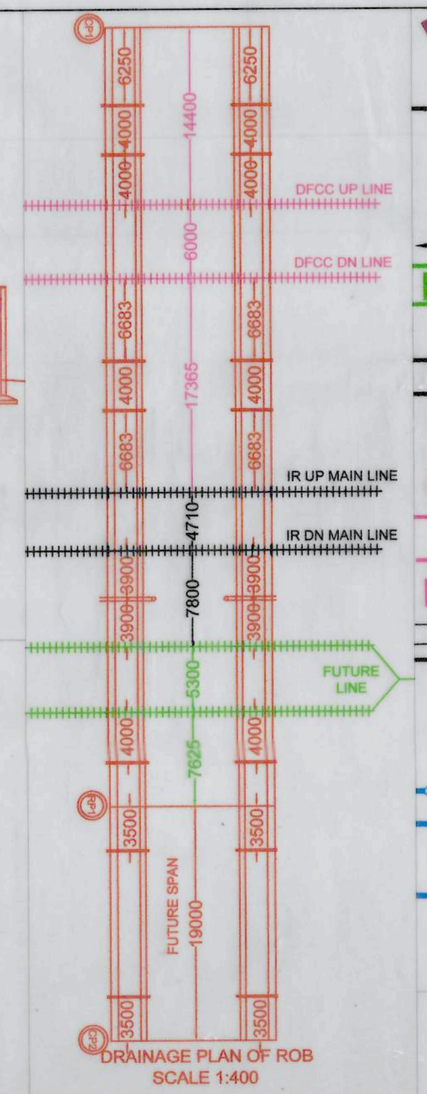


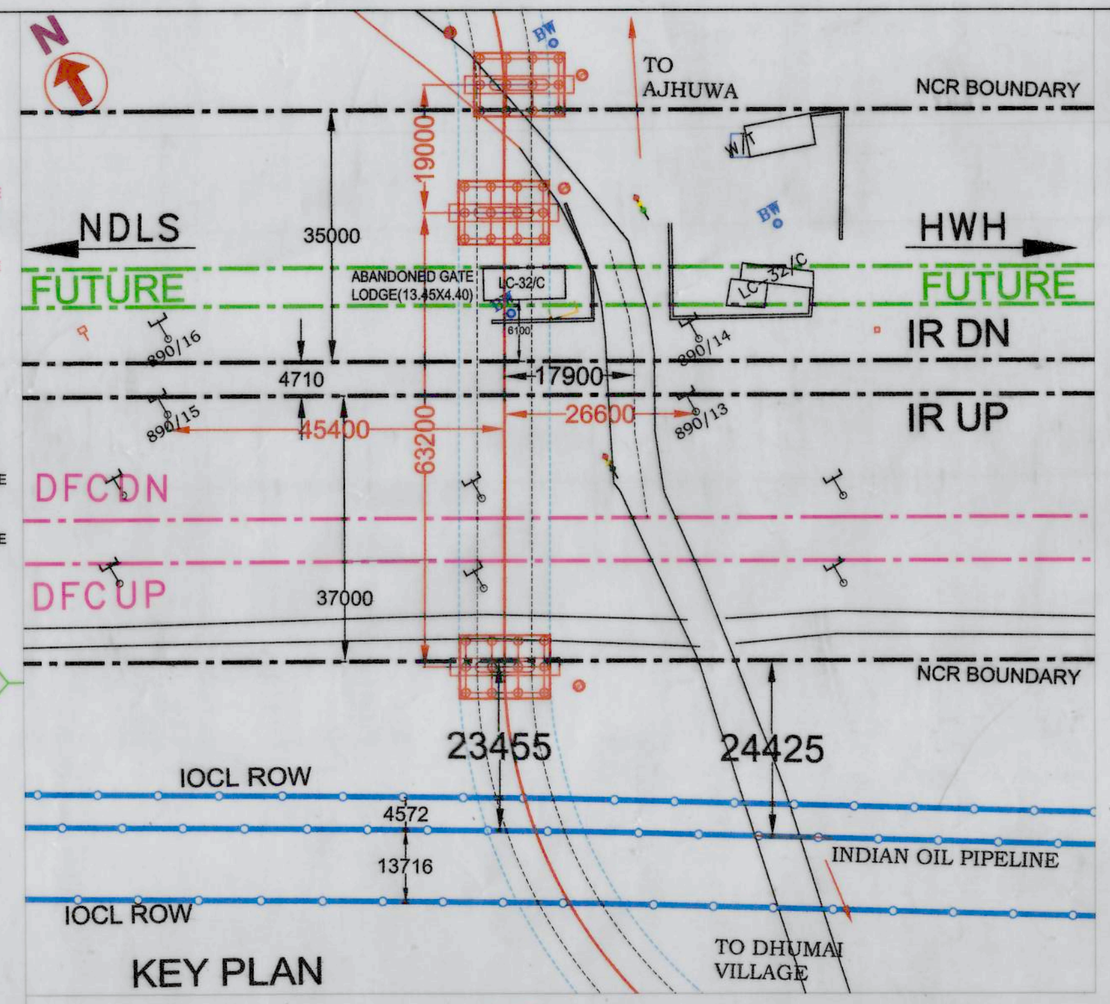
LONGITUDINAL ELEVATION OF ROB AT L-XING NO.32
SCALE 1:400



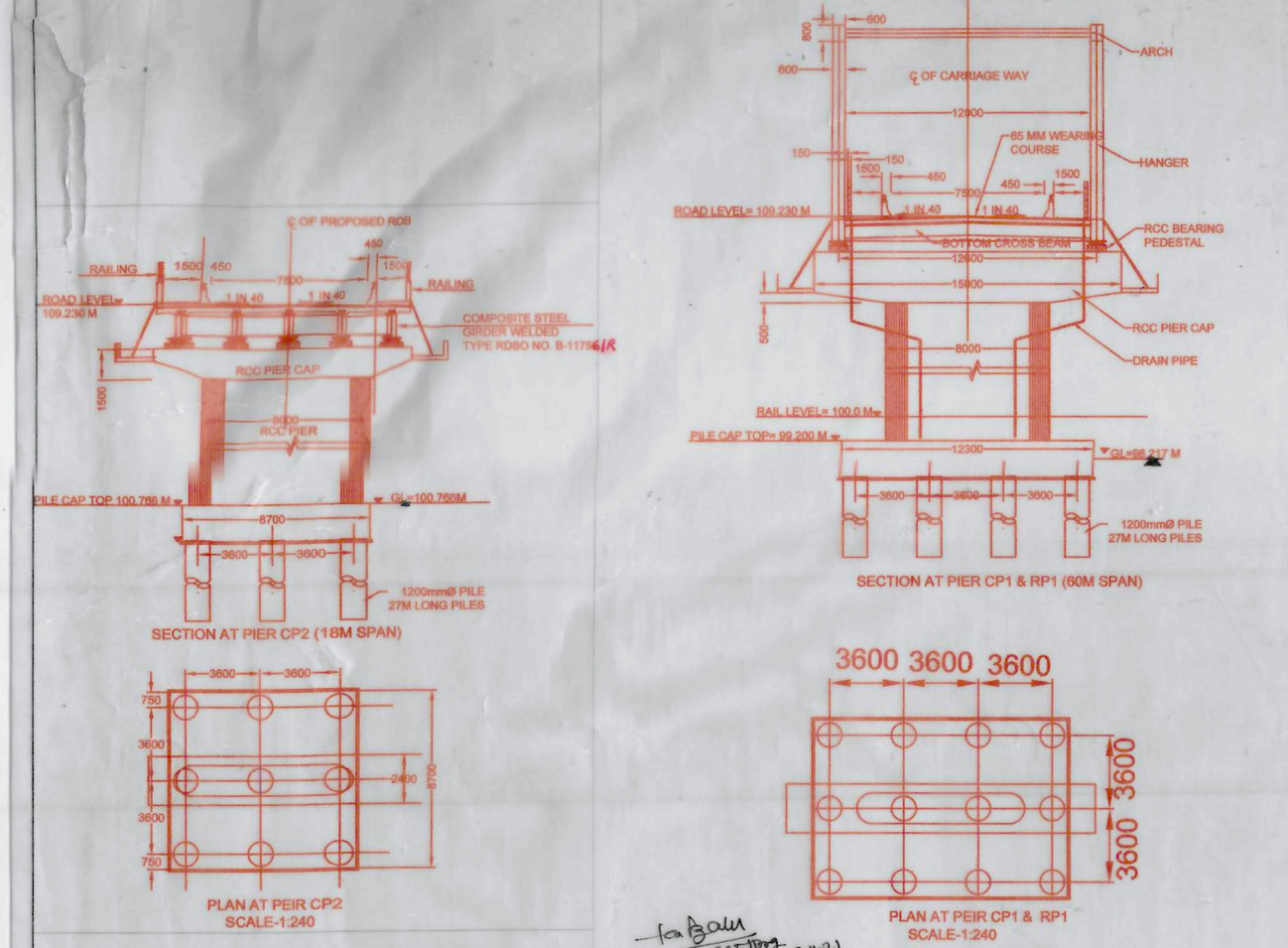
HALF TOP HALF BOTTOM PLAN
SCALE 1:400

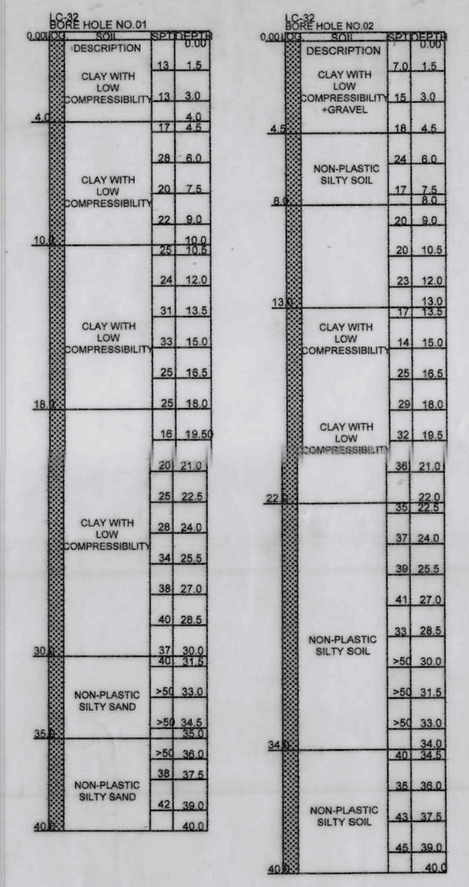


DRAINAGE PLAN OF ROB
SCALE 1:400

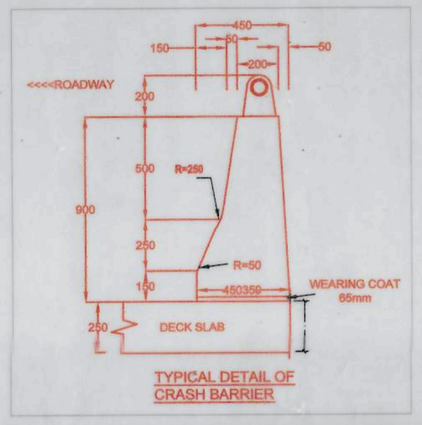


* CRS SANCTION FOR COMMENCEMENT OF WORK SHALL BE OBTAINED BEFORE START OF THE WORK.





BORE LOG DATA



TYPICAL DETAIL OF CRASH BARRIER

DFCC Drg No - CGM ON16GE Drg No. EDFCCIL/CGM AIG(W)/ROB/GAD/32 C/0024

NCR HQ PLAN NO. NCR/ENGG/GAD/ROB/124-2021

FEASIBILITY HAS BEEN CHECKED AT SITE & FOUND CORRECT

ADEN /LINE / PRYJ DIV.	SSE/LINE /W PRYJ DIV.				UP STATE BRIDGE CORPORATION LIMITED	
					P.C.VERMA Dy pm B.C.U. Kanshambi	R.K. Syngl (C.G.M) UPSBC Ltd Prayagraj
UTKARSH JAISWAL SR.DEN/II/ PRYJ.	OM PRAKASH CGM/DFFCCIL/ PRYJ(W)	SANJEEV KUMAR GM/ELEC/ PRYJ(W)	P.C. PANDEY GM/S&T/ PRYJ(W) DFCCIL	R.K. JAIN Dy.CPM/ENGG./ PRYJ(W)	J.K. GOYAL APM/ENGG./ PRYJ(W)	EHTESHAM SHEKH EXECUTIVE/ ENGG.

(NARENDRA SINGH)	(ASAD SAEED)	(S.K. SINHA)	S.N. JOSHI M.K. JAIN	MOHIT CHANDRA	S.K GUPTA	S.K. SHUKLA	D.K. RAJPUT	DIWAKAR KUMAR
CBE/NCR	DY.CE/BR/HQ NCR H.Q.	AXEN/BR-II/HQ	CBE/DFCCIL/GGM/ROB/EC	DRM/PRYJ. DIV.	SR.DEN/CO/ PRYJ.	SR.DOM/CO/ PRYJ.	SR.DSTE/SIG/ PRYJ.	SR.DEE/TRD/ PRYJ.

PRYJ. DIVISION

GENERAL NOTES ON GENERAL ARRANGEMENT DRAWING OF ROBs

1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVEL IN METERS UNLESS WRITTEN OTHERWISE.
2. NO DIMENSIONS SHALL BE SCALED FROM THIS DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
3. ACTUAL LOCATIONS OF ROB SHALL BE DECIDED BY ENGINEER - IN - CHARGE OF RAILWAY IN CONSULTATION WITH ROAD AUTHORITY AT THE TIME OF ITS CONSTRUCTION.
4. THE STRUCTRAL DETAILS AND DIMENSIONS SHOWN IN THIS DRAWING ARE TENTATIVE AND ARE SUBJECT TO FINAL DESIGN AND DRAWING TO BE APPROVED BY THE RAILWAY.
5. CRS SANCTION WILL BE OBTAINED BEFORE STARTING THE WORK IN RAILWAY SPAN.
6. SIZE/TYPE OF FOUNDATION IS TENTATIVE AND MAY BE ALTERED BY ENGINEER - IN - CHARGE OF RAILWAY TO SUIT THE SOIL STRATA MET AT SITE.
7. PILES SHALL BE LOAD TESTED BEFORE CASTING OF MAIN PILES AS PER RELEVANT IRC/RAILWAY CODE.
8. THERE SHOULD BE NO INFRINGEMENT TO RDSO DURING EXECUTION WORKS. BRIDGE WHEN CONSTRUCTED MUST BE CLEAR OF MOVING DIMENSIONS.
9. GUARD RAILS SHALL BE PROVIDED IN THE TRACK ADJACENT TO PIERS AND ABUTMENTS AS PER STANDARD DRAWINGS.
10. PROTECTION SCREEN ON THE ROB SHOULD BE PROVIDED AS PER LATEST RDSO DRAWING NO. ETI/C/0068/I.
11. WIDTH OF ROADWAY HAS BEEN PROVIDED AS PER REQUIREMENTS OF SPONSORING AGENCY.
12. SINGLE SUMMIT CURVE SHALL BE PROVIDED AT THE APEX OF THE GRADIENT APPROACHES.
13. EACH 2-LANE UNIT OF ROB IS DESIGNED FOR 1-LANE OF IRC: 70R OR 2-LANE OF IRC CLASS A LOADING WHICHEVER GOVERNS
14. HIGH CONTAINMENT CRASH BARRIERS SHALL BE PROVIDED AS PER LATEST TYPE DESIGN BY IRC.
15. DRAWING AND DESIGN OF APPROACH SLAB SHALL BE DECIDED BY SPONSORING AUTHORITY AS PER CLAUSE 217-3 OF IRC CODE.
16. POT-PTEE BEARING SHALL BE PROVIDED.
17. IN CASE BLASTING IS TO BE CARRIED OUT IN THE VICINITY OF THE RAILWAY LINE, NECESSARY PRECAUTIONS AND BLOCK SHALL BE OBSERVED AS PER PARA 1006 OF IR WORKS MANUAL.
18. DRAINAGE ARRANGEMENT IN THE RAILWAY PORTION SHALL BE PROVIDED AVOIDING TRACK BELOW AS PER STANDARD DRAWING OF MOST.
19. SUITABLE JACKING POINTS SHALL BE PROVIDED FOR LIFTING PSC/RCC/STEEL GIRDERS FOR INSPECTION/REPAIR OF BEARINGS.
20. CONTROLLED CEMENT CONCRETE MIX WILL BE PROVIDED AND SHOULD NOT BE LEANER THAN PROVISIONS IN RAILWAY'S CONCRETE BRIDGE CODE.
    RECOMMENDED DESIGN GRADE OF CONCRETE:
    PILES - M35,PILE CAPS - M35, ABUTMENT & PIER SHAFTS - M35, PEDESTAL M40, DECK SLAB - M40
21. 4 NOS. STAIRCASES SHOULD BE PROVIDED BEYOND RAILWAY BOUNDARY FOR THE USE OF PEDESTRIANS.
22. MOU TO BE DRAWN WITH TRAFFIC DEPARTMENT FOR BLOCK AND CAUTIONS BEFORE STARTING THE WORK.
23. STANDARD RDSO DRAWING NO. RDSO/B-10411/R SHALL BE FOLLOWED FOR 62.0M SPAN.FUTURE SPAN OF 19.00M SHALL BE AS PER RDSO DRW. NO.RDSO/B-11756/R.
24. PRIOR TO START OF THE WORK AT SITE IT SHOULD BE ENSURED THAT BEARING CAPACITY OF SOIL IS MORE THAN THE FOUNDATION PRESSURE.
25. THE ARRANGEMENTS FOR PROTECTION OF WORK SITE WILL BE DONE AS PER PROVISIONS OF IRPWM, RAILWAY BOARD INSTRUCTIONS AND PCE CIRCULAR NO. 103.
26. FUTURE TRACK OF IR IS CONSIDERED TO KEEP AT A DISTANCE OF 5300MM CENTER TO CENTER OF FUTURE TRACKS.
27. THERE IS NO INFRINGEMENT AS MENTIONED IN ITEM NO. 7, 8, 10 & 11 OF IR SOD, CHAPTER
28. BEARING CAPACITY OF SOIL IS 15.0 T/M2
29. THE TRAFFIC & POWER BLOCK SHALL BE TAKEN AS PER APPROVED TAD.
30. DECK SLAB SHALL BE CASTED AS PER CBE LETTER DATED 22.06.2018.
31. SACRIFICIAL SHUTTERING SHALL BE PROVIDED IN FUTURE RAILWAY SPAN FOR CASTING OF DECK SLAB.
32. EXISTING LC WILL BE CLOSED AFTER COMPLETION OF ROB AND TRAFFIC SHALL BE COMMISSIONED OVER ROB.
33. ADEQUATE PROTECTIVE WORKS OF SHORING, ETC. SHALL BE PLANNED DURING CONSTRUCTION TO PREVENT SLIDING OF CUTTING. SUITABLE SPEED RESTRICTIONS SHOULD BE ENSURED. FURTHER CONSTRUCTION MACHINERY ETC. SHALL NOT INFRINGE THE MAXIMUM MOVING DIMENSIONS.
34. BARRICADING WILL BE PROVIDED AS PER PCE'S LETTER NO. 324/W/1/NCR/PT-X DATED 4/05/13 & CBE'S LETTER NO. 360-W/1/ROB/PT-2 DATED 17/05/13.
35. THE AGENCY FOR MODIFICATION 25KV OHE DUE TO CONSTRUCTION OF NEW ROB WORK WILL BE ENSURED IF REQUIRED.
36. TEMP DIVERSION MADE DURING CONST. OF ROB WILL BE PROTECTED UNDER RLY NORMS.
37. RAILWAY BOUNDARY HAS BEEN VERIFIED WITH THE LAND PLANS.
38. ALL THE DIMENSIONS SHOWN IN THE DRAWING HAVE BEEN VERIFIED IN THE FIELD.
39. EARTHQUAKE ZONE OF THE PROPOSED BRIDGE IS ZONE III AS PER SEISMIC ZONE OF INDIA.

40 ONLY RAILWAY PORTION GAD IS APPROVED BY THIS OFFICE

METHODOLOGY OF WORKING:

1. MODUS OPERANDI/METHODOLOGY CONSTRUCTION ACTIVITIES, SAFETY PRECAUTIONS AND MEASURES TO BE OBSERVED DURING CONSTRUCTION OF ROB SHOULD BE IN ACCORDANCE OF IRPWM & BOARD'S LETTER NO. 97/CE/-I/BRO./158/9 (POLICY) PT. II DATED 16.07.2009.
2. FABRICATED STEEL GIRDER WILL BE LAUNCHED FIRST THEN RCC DECK SLAB WILL BE CASTED-IN-SITU AFTER PROVIDING TEMPORARY ARRANGEMENT.
3. CASTING/FABRICATING OF GIRDERS AND DECK SLAB WILL BE EXECUTED UNDER SPEED RESTRICTION AS CBE/NCR LETTER NO. 86-W/BR/ROB/TAD/I/P7-II. DATE-06/11/2019
4. THE WORK UNDER TRAFFIC BLOCK SHALL BE CARRIED OUT UNDER THE PROVISIONS OF BANNER FLAG AND PROTECTION OF ENGG. FLAGMEN.
5. INSTRUCTIONS ON "SPECIAL CONDITION OF WORKING OF ROAD CRANES" AS PER RAILWAY BOARD LATEST GUIDELINES IN LETTER NO. 2015/CE-IV/RUB/206 DATED 15.02.2016 SHALL BE FOLLOWED.

THIS GAD SUPERCEDES THE APPROVED GAD NO. NCR/ENGG./GAD/ROB/77-2020

SR. NO.	SALIENT FEATURE OF ROB	
1.	LOCATION OF ROB	LC. NO. 32C AT KM. 890/13-15 BETWEEN ASCE-KUW STNS
2.	DIVISION	PRAYAGRAJ
3.	TVU	216720 (26.03.21 to 02.04.21)
4.	NO. OF SPAN	02
5.	NO. AND LENGTH OF SPAN	1X62.00 M+1X18.0 M (C/C OF BEARING)
6.	SKEW ANGLE	STRAIGHT
7.	NO. OF PIERS (INSIDE RAILWAY BOUDARY)	03
8.	DISTANCE OF RAILWAY BOUNDARY	UP SIDE-37.00 DN SIDE 35.00

LEGEND

SR.	NAME	COLORS
1	EX. WORK(IR TRACK)	
2	PROP WORK	
3	FUTURE IR LINE	
4	DFC LINE	

ORIGINAL PINK BOOK ITEM NO. 259/2016-17 (NEW WORK)

CURRENT PINK BOOK ITEM NO. 227/2021-22 | TYPE OF ROAD-VILLAGER ROAD

ON COST SHARING BASIC BETWEEN STATE GOV. & DFCCIL/RLY

TVU NO. 216720 (26.03.21 to 02.04.21)

SR.NO.	DATE	REVISIONS	SIGNATURE
0		FIRST SUBMISSION	

CLIENT :

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.
(Eastern Corridor-Prayagraj Division)

PROJECT :

CONSTRUCTION OF TWO LANE ROB IN LIEU OF LC.NO.32C AT IR KM.890/13-15 AND DFCCIL CH: 348+545 BETWEEN ATHSARAI-KANWAR (ASCE-KUW) SECTION OF PRYJ-CNB SECTION ON COST SHARING BASIS.

TITLE :

GENERAL ARRANGEMENT DRAWING OF ROB-LC 32

DESIGNED	NIRAMALA S.	PROJECT NO:		DRAWING NO:		
DRAWN	YOGESH SHINDE	-		ROB/LC-32		
CHECKED	KAMALAKAR SHINDE		SIZE	REV		
VERIFIED		SCALE :- AS SHOWN		R0		SH NO. 01 OF 01

DESIGN CONSULTANT:

MONARCH
SURVEYORS AND ENGINEERING CONSULTANTS PVT. LTD.
67, PANMALA, 1 - RUJETA
SINHGAD ROAD, PUNE 411 030.
PH:020/24330432,24330246,FAX:24330028,
e-mail:enquiry@monarchpune.in