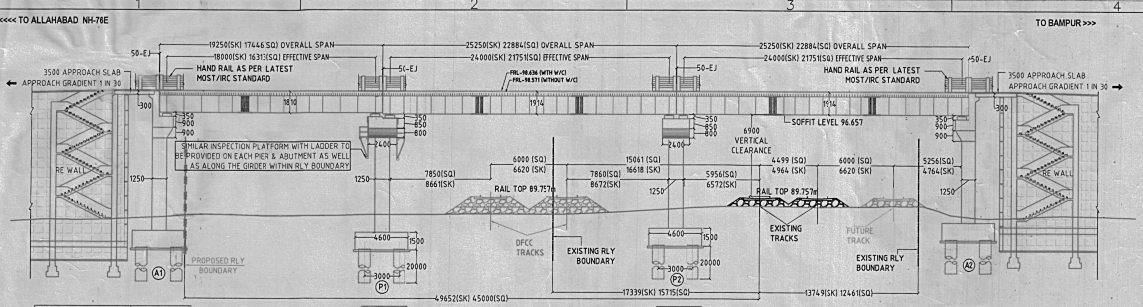
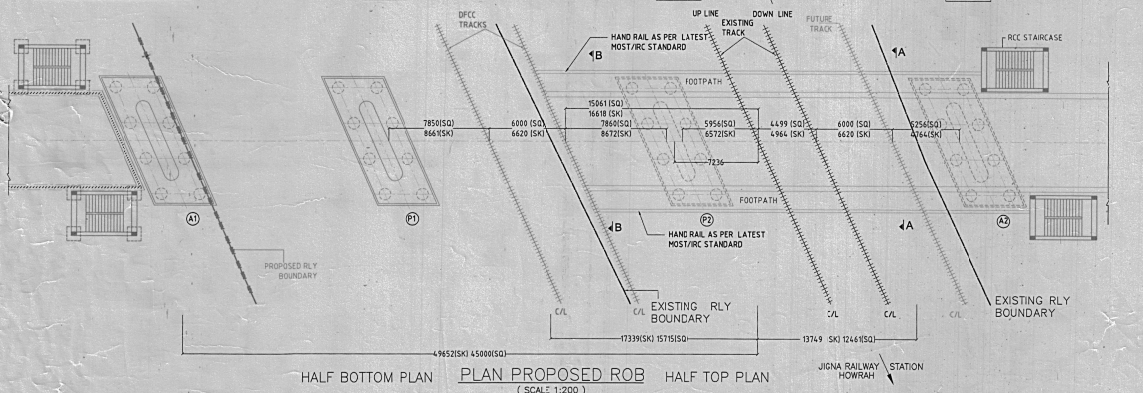
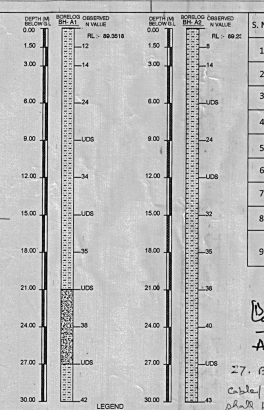


ROAD FRL	98.636 M	98.636 M	98.636 M
GROUND LEVEL	87.963 M	88.177 M	88.05 M
PILE CAP TOP LVL	86.463 M	86.677 M	86.55 M
FOUNDATION LVL	84.963 M	85.177 M	85.05 M
CHAINAGE	CH-413.005	CH-432.255	CH-452.755

SECTION ELEVATION
(SCALE 1:200)



HALF BOTTOM PLAN — PLAN PROPOSED ROB — HALF TOP PLAN
(SCALE 1:200)

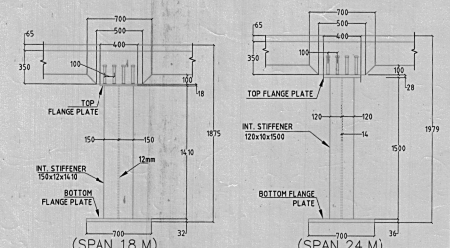


BORE HOLE DETAILS

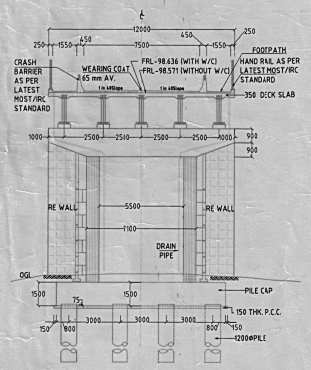
S. No.	SALIENT FEATURES OF ROB	
1	LOCATION OF ROB	LC NO. 17 AT KM 768/19-21 BETWEEN JIGNA- MANDA
2	DIVISION	ALLAHABAD
3	TVU	220850
4	NUMBER OF SPAN	3
5	NUMBER OF SPAN LENGTH OF SPAN	2X18+1X24M
6	NAME OF ROAD AUTHORITY	PWD
7	SKEW ANGLE	25°
8	NUMBER OF PIER INSIDE RLY. BOUNDARY	2
9	DISTANCE OF RAILWAY BOUNDARY (FROM UP TRACK)	SOUTH END-45M NORTH END-12.5M

ADEM/MZP

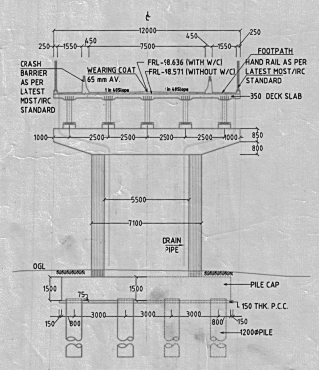
27. Before start of work safety of S&T cable requirement must be ensured. The work shall be carried out under the supervision of S&T supervisor. No visible S&T equipments are lying ROB pier.



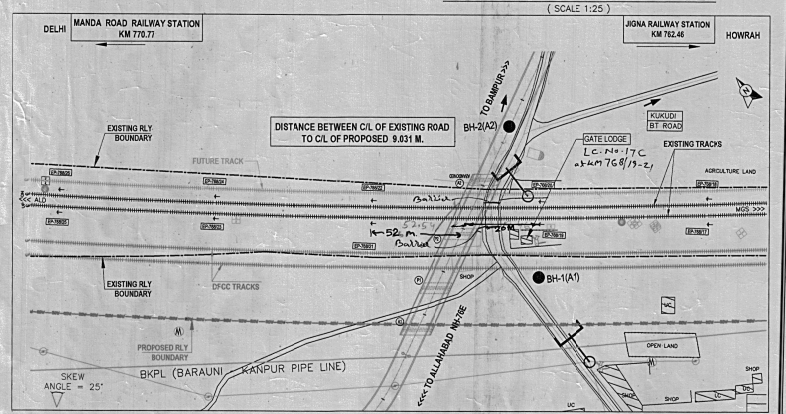
SECTION OF COMPOSITE GIRDER
(SCALE 1:25)



SECTION A–A
(SCALE 1:150)



SECTION B–B
(SCALE 1:150)



KEY–PLAN
(SCALE 1:1)

NCR HQ PLAN NO :-

GENERAL NOTES ON GENERAL ARRANGEMENT DRAWING OF ROB:

1 ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELN 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 FNAL DESIGN AND DRAWING TO BE APPROVED BY THE RAILWAY.
5 CRS SANCTION WILL BE OBTAINED BEFORE STARTING THE WORK IN RAILWAY SPAN.
6 TYPE/DEPTH 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 PILE AS PER RELEVANT IRC/RAILWAY CODE.
8 BRIDGE WHEN CONSTRUCTED BE CLEAR OF MOVING DIMENSIONS.
9 GUARD RAIL SHALL BE PROVIDED IN THE TRACK ADJACENT TO PIERS AND ABUTMENTS AS PER STANDARD DRAWING.
10 WIDTH OF ROADWAY HAS BEEN PROVIDED AS PER REQUIREMENT OF SPONSORING AGENCY.
11 SINGLE SUMMIT CURVE SHALL BE PROVIDED AT THE APEX OF THE GRADIENT OF APPROACHES.
12 EACH 2 LANE UNIT OF ROB IS DESIGNED FOR 1 LANE OF IRC:70 -R OR 2 LANE OF IRC CLASS - A LOADING, WHICH EVER GOVERNS.
13 CRASH BARRIERS SHALL BE PROVIDED AS PER LATEST TYPE DESIGN BY IRC.
14 DRAWING AND DESIGN OF APPROACH SLAB SHALL BE DECIDED BY SPONSORING AUTHORITY AS PER CLAUSE 217-3 OF IRC CODE.
15 POT-PTFE BEARING SHALL BE PROVIDED.
16 IN CASE BLASTING IS TO BE CARRIED OUT IN THE VICINITY OF RAILWAY LINE, NECESSARY PRECAUTIONS AND BLOCK SHALL BE OBSERVED AS PER PARA 1006 OF IR WORKS MANUAL.
17 DRAWING ARRANGEMENTS IN RAILWAY PORTIONSHALL BE PROVIDED AVOIDING TRACK BELOW AS PER STANDARD DRAWING OF MOST.
18 SUITABLE JACKING POINTS SHALL BE PROVIDED FOR LIFTING PSC/RCC GIRDERS FOR INSPECTION/REPAIR OF BEARINGS.
19 CONTROLLED CEMENT CONCRETE MIX TO BE PROVIDED AND SHOULD NOT BE LEANER THAN PROVISIONS IN RAILWAY CONCRETE BRIDGE CODE.
20 CONCERNED LEVEL CROSSING SHOULD BE CLOSED SIMULTANEOUS COMMISSIONING OF ROB. BEMD
21 4 NOS. STAIRCASES SHOULD BE PROVIDED RAILWAY BOUNDARY FOR THE USE OF PEDESTRIANS.
22 MOU TO BE DRAWN WITH TRAFFIC DEPT. FOR BLOCK AND CAUTIONS BEFORE STARTING THE WORK.
23 AGREEMENT DOCUMENT DULY SIGNED BY STATE AUTHORITY TO BE SUBMITTED.
24 LC SHOULD BE CLOSED AFTER CONSTRUCTION AND COMMISSIONING OF ROB.
25 INSPECTION LADDERS FROM ROAD TO PIERS TOP AND INSPECTION PLATFORMS IN THE PIERS SHALL BE INCORPORATED IN THE STRUCTURAL DRAWING TO ENSURE PROPER INSPECTION ACCESSIB LITY.
26. TRD WORK UNDER ROB SHALL BE AS PER ACTM.

METHODOLOGY OF WORKING

1 MODUS OPERANDI/METODOLOGY CONSTRUCTION ACTIVITIES, SAFETY PRECAUTIONS AND MEASURES TO BE OBSERVED DURING CONSTRUCTION OF ROB SHOULD BE IN ACCORDANCE OF BOARD's LETTER NO. 97/CE-I/BRO./158/9(Policy) Pt. II dated 16.07.2009.
2 FABRICATED STEEL GIRDER WILL LAUNCHED FIRST AND THEN RCC DECK SLAB WILL BE CASTED IN SITU AFTER PROVIDING TEMP. ARRANGEMENT.
3 CASTING/FABRICATING OF GIRDERS & DECK SLAB WILL BE EXECUTED UNDER SPEED RESTRICTION OF 30 KMPH.
4 THE WORK UNDER TRAFFIC BLOCK SHALL BE CARRED OUT UNDER THE PROVISION OF BANNER FLAG AND PROTECTION OF ENGG. FLAGMAN.

LEGEND		
S.NO	DESCRIPTION	SYMBOL
1	EXISTING TRACK	
2	DFCC TRACK	
3	FUTURE TRACK	
4	EXISTING RAILWAY BOUNDARY	
5	PROPOSED RAILWAY BOUNDARY	
6	GROUND	
7	BUILDING	
8	DISMANTLED STRUCTURE	
9	DIVERSION ROAD	
10	L.T. LINE	
11	CANAL, NALLA, RIVER, DRAIN	
12	PIPE LINE	
13	TELEPHONE POLE	
14	BORE HOLE (BH)	

NOTE-27
DURING EXECUTION BARRICADING SHALL BE PROVIDED AS PER PCE/NCR's L.No. 324-W/1/NCR/TP/PL X DATED 01-05-2013.

SL.NO.	REVISIONS	DATE	SIGNATURE
R2			
R1			

NCR HQ DRG NO:-NCR/ENGG/GAD/ROB/86 OF SHEET 1

ROUGH PLAN NO.

NORTH CENTRAL RAILWAY
ALLAHABAD DIVISION

GAD FOR PROPOSED ROB IN LIEU OF LEVEL X-ING NO. 17 C (25° SKEW), AT K.M.768/19-21 BET. MANDA ROAD &JIGNA RLY. STN. ON MGS-ALD SECTION

PROFILE SKETCH

SCALE :- AS SHOWN

DESIGN CONSULTANT:-
CONSULTING ENGINEERS GROUP LTD.
CEG Tower, B-10GI,Malviya Industrial Area, Jaipur-302017
Tel: 0141 275 1615,275 1806
Fax: 91 (141) 5252 1348, e-mail: ceg@cegindia.com

CLIENT:-
डेडीकेटेड फ्रेट कॉरीडोर
Dedicated Freight Corridor(Eastern Corridor)

DRAWN BY:-	DESIGNED BY:-	CHECKED BY:-	APPROVED BY:-
PRAKASH SHARMA	JAYANT THAKKAR	R.K. PRAJAPATI	SUKESH GUPTA

NCR H.Q.					DIVISIONAL					DFCCIL					STATE AUTHORITIES
CBE/NCR	DY.CE/BR	CTPM	CEDE	CCPE/PC	(HARINDRA RAO) DRM	(BIJAY KUMAR) SR.DOM	(RAVI CHATURVEDI) SR.DEE/TRD	SR.DSTE/Sig	(K.R.CHAUDHARY) SR.DEN/CO	(R.S. RAJPAL) SR.DEN/1	C.P.M./ALD(E)	P.M./ENGG	DY.P.M./ENGG	A.P.M./ENGG	A.P.M./S&T	A.P.M./T	ADSTE/E/ALD