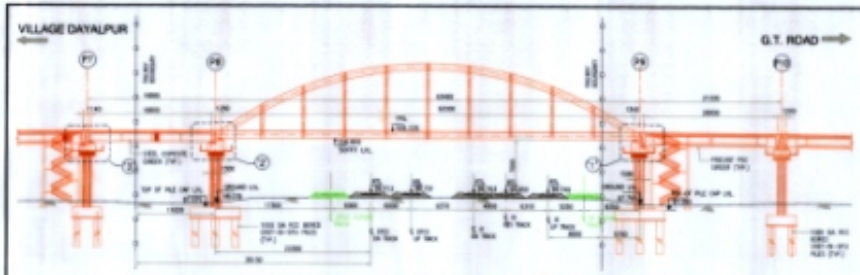
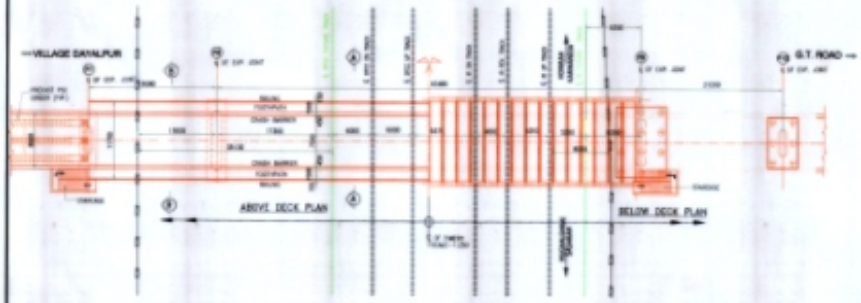
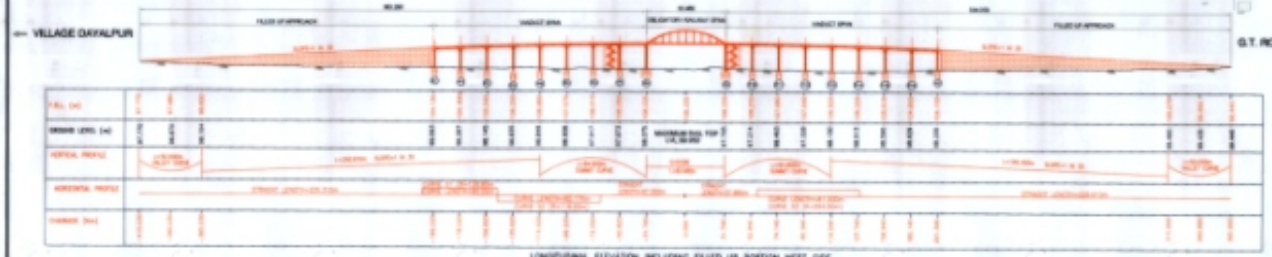
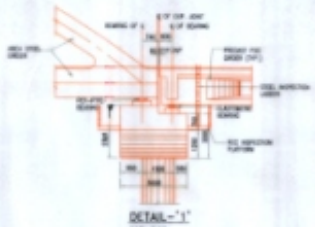


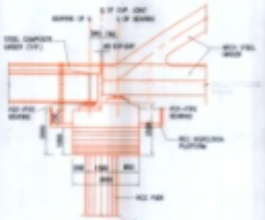
SECTIONAL ELEVATION OF OBLIGATORY & VIADUCT SPANS





LONGITUDINAL ELEVATION INCLUDING FILLED UP PORTION WEST SIDE





SPECIAL NOTES:

1. LEVELLING SCREWS OF THE TRACK WILL BE SUBMITTED, SEPARATELY.
2. RESPONSIBLE AGENCY TO TAKE ALL NECESSARY PRECAUTIONS WHILE EXECUTING THE WORK.
3. RC WORK WITHIN RAILWAY BOUNDARY TO BE DONE WITHOUT PREVIOUS OF RAILWAY.
4. ALL WORKS WITHIN RAILWAY BOUNDARY TO BE DONE WITHOUT PREVIOUS OF RAILWAY.
5. GENERAL APPROVAL OF CRS/DRM SHALL BE TAKEN BEFORE EXECUTION OF WORKS FOR WORKS AS PER STIPULATIONS IN PLACE OF WORK AGREEMENT.
6. VERTICAL CLEARANCE AND TRACK CENTRE AS PER SAID CP (SPC) OF LIGHT AT ALL RC GIRDER, PRESTRESSED GIRDER, STEEL GIRDER & STONE MASONRY ARCH SHALL BE SUBMITTED TO DRM.
7. DETAIL AND DRAWINGS FOR LONGITUDINAL PROFILE & PLAN SHOWING ALIGNMENT OF CBC & SLAB, ABUTMENT, WING WALL, RETAINING WALL, PIER, PIER CAP, FOOTING, FOUNDATION, BEARING, EXPANSION ARRANGEMENT, OTHER DETAILS & STAGE SEQUENCE WORKS SHALL BE SUBMITTED TO DRM.

NOTES:

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED OTHERWISE.
2. CONTRACTOR SHALL NOT START ANY WORK UNLESS THE DRAWINGS ARE APPROVED BY THE ENGINEER.
3. CONTRACTOR SHALL NOT SCALE DIMENSIONS FROM THE DRAWINGS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT SITE BEFORE TAKING UP ANY WORK AND IN CASE OF ANY DISCREPANCY, IMMEDIATELY BRING THE SAME TO THE NOTICE OF THE ENGINEER FOR HIS DECISION.
4. ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECTURAL, STRUCTURAL, SERVICES AND OTHER CONSULTANTS DRAWINGS AND ANY OTHER DRAWINGS AND INSTRUCTIONS ISSUED DURING THE COURSE OF THE WORKS.
5. DETAILED SITE INVESTIGATION AND FOUNDATION DESIGN DRAWING SHALL BE APPROVED BY THE ENGINEER BEFORE ANY CONSTRUCTION WORK IS STARTED.
6. ALL WORKS SHALL BE CARRIED OUT UNDER THE SUPERVISION OF AN EXPERIENCED ENGINEER AND SHALL BE EXECUTED BY SKILLED WORKMEN WITH PROPER EQUIPMENT AND APPLIANCES.
7. ALL CONCRETE SHALL BE DESIGNED AND CONTROLLED AS PER LATEST RELEVANT CODE OF IRC INCLUDING SPECIFICATIONS AND OTHER CODES AS APPLICABLE.
8. ALL REINFORCEMENT SHALL BE FREE FROM RUST, MILL SCALE, OIL, GREASE, EARTH OR OTHER DELETERIOUS MATERIAL.
9. ALL REINFORCEMENT SHALL BE ACCURATELY BENT AND FIXED AS PER THE APPROVED DRAWINGS AND BAR BENDING SCHEDULES.
10. ALL REINFORCEMENT SHALL BE SECURELY TIED AT ALL INTERSECTIONS WITH 16 GAUGE BLACK ANNEALED WIRE AND SHALL BE SUPPORTED ON CHAIRS OR SPACERS OF APPROVED TYPE AND SIZE.
11. CONCRETE SHALL BE DESIGNED AND CONTROLLED AS PER LATEST RELEVANT CODE OF IRC INCLUDING SPECIFICATIONS AND OTHER CODES AS APPLICABLE.
12. CONCRETE SHALL BE PLACED IN LAYERS NOT EXCEEDING 300 MM IN THICKNESS AND EACH LAYER SHALL BE COMPACTED BY MECHANICAL VIBRATORS OF APPROVED TYPE AND SIZE.
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OPERATION SCHEDULE FOR RAILWAY SPAN:

1. TRACK SHALL BE PROTECTED SUITABLY DURING THE CONSTRUCTION OF ROB FOR SAFETY OF RUNNING TRAIN.
2. ADEQUATE MEASURES SHALL BE TAKEN AT SITE TO ENSURE SAFETY FOR WORKERS (WORKERS,MATERIALS,EQUIPMENTS, TOOLING ETC).
3. FOR SHIFTING OF THE SIGNETS AND SIGNALING EQUIPMENTS, DIVISION MAY BE CONSULTED AS PER AT PRESENT.
4. DETAILED STRUCTURAL DRAWINGS OF THE ROB SHALL BE APPROVED BY COMPETENT AUTHORITY.
5. LAUNCHING SCHEME SHALL BE APPROVED BY CBE&C/RLWSP BEFORE EXECUTION OF WORK.
6. FOR LAUNCHING OF GIRDERS OVER RAILWAY TRACK, SUITABLE BLOCK WILL BE TAKEN WITH ADVANCED NOTICE.
7. DRAWING APPROVAL SHALL BE SUBJECTED TO APPROVAL OF ALIGNMENT AND LEVELS BY STATE UNIT.
8. CONSTRUCTION SEQUENCE:
   a) STREET PROTECTION OF 10 NOS NO. 16 MPCC/CUTTING CONNECTION WORK.
   b) CONSTRUCTION OF SUITABLE FOUNDATION FOR PIERS, ABUTMENT.
   c) CONSTRUCTION OF PIER, ABUTMENT, PIER CAP AND ABUTMENT CAP.
   d) CONSTRUCTION OF RCC PEDESTALS.
   e) ERECTION OF STEEL GIRDERS, CONCRETE GIRDERS AND SUPERSTRUCTURE.
   f) PROVISIONING OF CURVES FOR LIFTING AND PLACEMENT OF GIRDERS WITH PROPER PACKETS, BLOCKS AND PROVISION OF PIER CAP AND ABUTMENT CAP.
   g) REMOVAL OF STEEL PLATE WITH CRANE FROM PIER TOP AND ABUTMENT.
   h) PROVISIONING OF CURVES, BLOCKS AND PACKETS ON TOP OF PIER CAP.
   i) REMOVAL OF STONE AND PROVISIONING OF CRANE BLOCK.
   j) CONSTRUCTION OF RAILWAY WORKS LIKE CROSS WATER, RAILING, HEARING COURSE, CARRIAGE WAY ETC.
9. ALL STEEL WORKS SHALL BE PLACED SUITABLE PROTECTION OF GIRDER.
10. ALL WORKS AUTHORITIES SHALL BE INFORMED BEFORE STARTING AND WORK INSTRUCTIONS WITHOUT RAILWAY AUTHORITIES TIME TO TIME DURING EXECUTION SHALL BE FOLLOWED.
11. ALL THE CONSTRUCTION BY CITY DEPOT AND CHEMICAL SHALL BE APPROVED BY CITY DEPOT AND CHEMICAL AUTHORITY.

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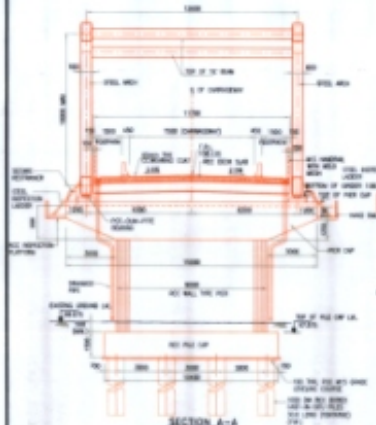
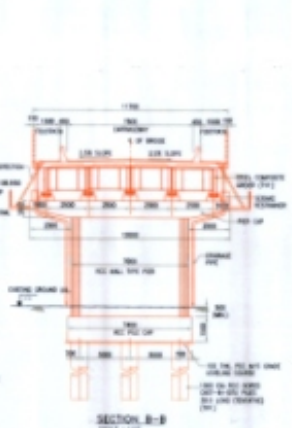
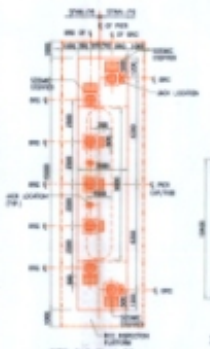


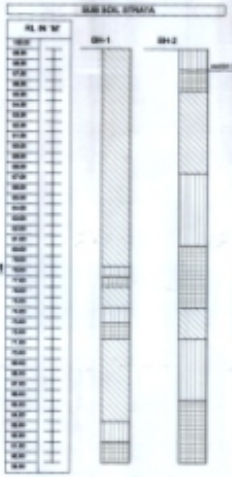




Bore Hole Details of Soil Exploration at LC - 41

Recorded 'N' Value		
Depth (m)	For BH-1	For BH-2
1.50	6	8
3.00	12	14
4.50	15	18
6.00	17	13
7.50	14	16
9.00	13	15
10.50	12	12
12.00	16	17
13.50	19	21
15.00	21	23
16.50	24	25
18.00	27	27
19.50	29	28
21.00	31	31
22.50	34	33
24.00	36	35
25.50	38	38
27.00	39	40
28.50	41	42
30.00	43	44
31.50	45	46
33.00	47	48

Cohesion 'C' & Friction Angle Φ				
Depth (m)	For BH-1		For BH-2	
	'C' in kN/m²	Φ Degree	'C' in kN/m²	Φ Degree
1.50	-	-	0.30	0.00
3.00	7.10	0.00	7.50	0.00
4.50	-	-	-	-
6.00	-	-	8.50	0.00
7.50	10.5	0.00	7.70	0.00
9.00	-	-	-	-
10.50	-	-	-	-
12.00	10.00	0.00	-	-
13.50	9.90	0.00	9.70	0.00
15.00	9.80	0.00	10.5	0.00
16.50	28.00	0.00	-	-
18.00	-	-	-	-
19.50	-	-	0.00	0.00
21.00	0.00	28.00	-	-



LEGEND
PROPOSED WORK
EXISTING WORK
FUTURE WORK

LAYERS	DESCRIPTION	LEGEND	SOIL CLASS
LAYER-I	SILTY CLAY OF MEDIUM PLASTICITY (M.CLAY)		II
LAYER-II	SANDY SILTY WITH GRAVEL		III, IV

DESIGNATION	SIGNATURE	DESIGNATION	SIGNATURE
LA DRM (PROTOCOL)		CHIEF PROJECT MANAGER (CONSTRUCTION)	
SENIOR DEN (CO-ORDINATION)		MANAGER (CIVIL) (PROJECT MONITORING)	
DY. G. MANAGER (CONSTRUCTION)			
DFO/LUCKNOW		STATE GOVT. Dept.	