

LAYOUT PLAN OF PROPOSED ROB
SCALE 1:1000

STRUCTURAL & OTHER DATA: (FOR APPROACHES)

- SPAN ARRANGEMENT : 19x20.84m+RAILWAY PORTION+13x20.84m c/c EXP JOINT
- SUPER STRUCTURE : RCC T-GIRDER + RC DECK SLAB
- SUB STRUCTURE : RCC PIER, PIER CAP, ABUTMENT, ABUTMENT CAP, DIRT WALL, RETURN WALL, RETAINING WALL, RE WALL
- FOUNDATION : 1.00m DIA. PILE FOUNDATION
- BEARINGS : ELASTOMERIC BEARING
- WEARING COAT : 65mm THK ASPHALTIC (40+25) WEARING COAT
- EXPANSION JOINT : STRIP SEAL EXPANSION TYPE
- DRAINAGE SPOUTS : AT 5.0m c/c
- CRASH BARRIER : AS PER RC-5

CONCRETE GRADE: (FOR APPROACHES)

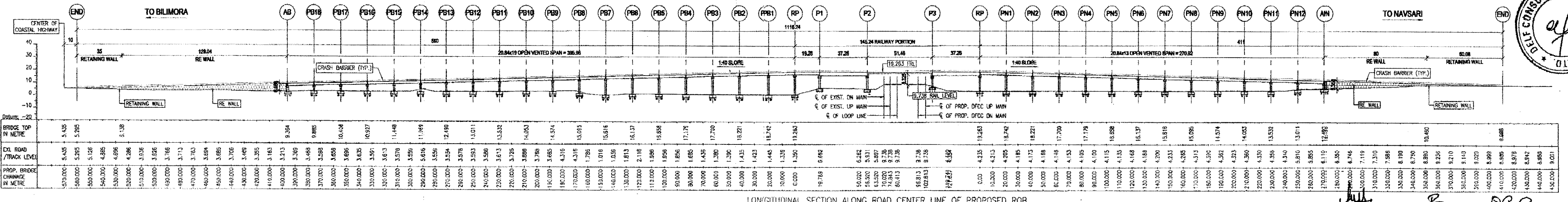
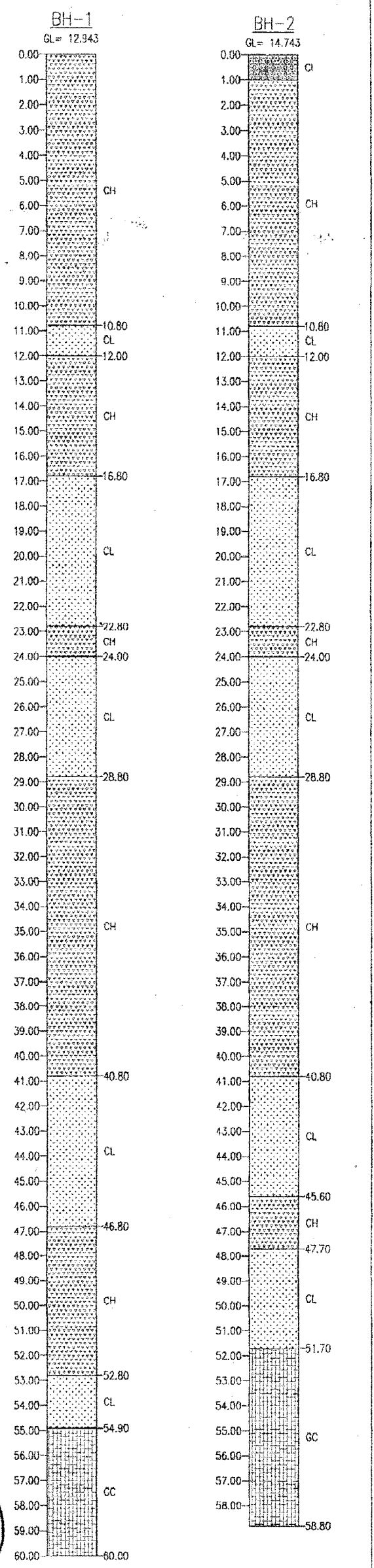
- PILE, PILE CAP : M35
- PIER, PIER CAP, ABUTMENT, ABUTMENT CAP, DIRT WALL : M35
- RCC T-GIRDER, CROSS GIRDER & END DIAPHRAGM : M35
- CRASH BARRIER, FRICTION SLAB : M40
- PEDESTALS & SEISMIC ARRESTER : M40
- DECK SLAB, RE WALL, FRAMA PANELS : M35
- RETAINING WALL, APPROACH SLAB : M30
- PCC LEVELING COURSE : M15
- REINFORCEMENT GRADE : Fe500 D

COVERS:

- PILES & PILE CAPS : 75mm
- PIERS, PIER CAPS, ABUTMENTS, ABUTMENT CAPS, RETAINING WALL : 50mm
- RCC T-GIRDERS, CROSS GIRDER, END DIAPHRAGM, CRASH BARRIER, SEISMIC ARRESTER, PEDESTALS, FRICTION SLAB, DIRT WALL : 40mm

SCHEDULE OF LEVELS

GRID NO.	CHANGNAE (m)	GROUND LEVEL (m)	SPAN IN (m)	GRADIENT 1:1	FINISHED ROAD LEVEL (m)	PIER CAP TOP LEVEL (m)	PIER TOP LEVEL (m)	PILE CAP TOP LEVEL (m)	PILE TOP LEVEL (m)	PILE DEPTH (m)	PILE BOTTOM LEVEL (m)
END	560.000	5.263	164.040	40.000	5.263						
AS	395.960	3.276	20.840	40.000	9.364	7.160	5.960	2.776	1.026	25.000	-23.974
PB18	375.120	3.542	20.840	40.000	9.865	7.650	6.450	3.042	1.292	25.000	-23.708
PB17	354.280	3.679	20.840	40.000	10.406	8.170	6.970	3.179	1.429	25.000	-23.571
PB16	333.440	3.606	20.840	40.000	10.927	8.690	7.490	3.106	1.356	25.000	-23.644
PB15	312.600	3.586	20.840	40.000	11.448	9.210	8.010	3.086	1.336	25.000	-23.664
PB14	291.760	3.254	20.840	40.000	11.969	9.730	8.530	4.754	3.004	25.000	-21.996
PB13	270.920	3.564	20.840	40.000	12.490	10.250	9.050	3.064	1.314	25.000	-23.686
PB12	250.080	3.593	20.840	40.000	13.011	10.770	9.570	3.093	1.343	25.000	-23.657
PB11	229.240	3.622	20.840	40.000	13.532	11.290	10.090	3.122	1.372	25.000	-23.628
PB10	208.400	3.867	20.840	40.000	14.053	11.820	10.620	3.367	1.617	25.000	-23.383
PB9	187.560	3.839	20.840	40.000	14.574	12.340	11.140	3.339	1.589	25.000	-23.411
PB8	166.720	3.486	20.840	40.000	15.095	12.860	11.660	2.986	1.236	25.000	-23.764
PB7	145.880	1.024	20.840	40.000	15.616	13.380	12.180	0.524	-1.226	25.000	-26.226
PB6	125.040	1.953	20.840	40.000	16.137	13.900	12.700	1.463	-0.787	25.000	-25.287
PB5	104.200	1.969	20.840	40.000	16.658	14.420	13.220	1.469	-0.281	25.000	-25.281
PB4	83.360	1.742	20.840	40.000	17.179	14.940	13.740	1.242	-0.508	25.000	-25.508
PB3	62.520	1.394	20.840	40.000	17.700	15.460	14.260	0.894	-0.856	25.000	-25.856
PB2	41.680	1.427	20.840	40.000	18.221	15.980	14.780	0.927	-0.823	25.000	-25.823
PB1	20.840	1.443	20.840	40.000	18.742	16.500	15.300	0.943	-0.807	25.000	-25.807
RP1	0.000	1.350	0.000	0.000	19.263						
RP2	0.000	17.133	0.000	0.000	19.263						
RP3	0.000	17.133	0.000	0.000	19.263						
RP4	0.000	17.133	0.000	0.000	19.263						
RP5	0.000	4.235	0.000	0.000	19.263						
PN1	20.840	4.203	20.840	40.000	18.742	16.500	15.300	3.703	1.953	25.000	-23.047
PN2	41.680	4.172	20.840	40.000	18.221	15.980	14.780	3.672	1.922	25.000	-23.078
PN3	62.520	4.148	20.840	40.000	17.700	15.460	14.260	3.648	1.898	25.000	-23.102
PN4	83.360	4.103	20.840	40.000	17.179	14.940	13.740	3.603	1.853	25.000	-23.147
PN5	104.200	4.123	20.840	40.000	16.658	14.420	13.220	3.623	1.873	25.000	-23.127
PN6	125.040	4.177	20.840	40.000	16.137	13.900	12.700	3.677	1.927	25.000	-23.073
PN7	145.880	4.219	20.840	40.000	15.616	13.380	12.180	3.719	1.969	25.000	-23.031
PN8	166.720	4.297	20.840	40.000	15.095	12.860	11.660	3.797	2.047	25.000	-22.953
PN9	187.560	4.369	20.840	40.000	14.574	12.340	11.140	3.869	2.119	25.000	-22.881
PN10	208.400	4.354	20.840	40.000	14.053	11.820	10.620	3.854	2.104	25.000	-22.895
PN11	229.240	4.354	20.840	40.000	13.532	11.290	10.090	3.854	2.104	25.000	-22.895
PN12	250.080	5.810	20.840	40.000	13.011	10.770	9.570	5.310	3.560	25.000	-21.440
AN	270.920	6.132	20.840	40.000	12.490	10.250	9.050	5.532	3.882	25.000	-21.118
END	411.000	8.888	140.080	40.000	8.888						



LONGITUDINAL SECTION ALONG ROAD CENTER LINE OF PROPOSED ROB
SCALE 1:1000

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METER UNLESS OTHERWISE MENTIONED.
- DIMENSIONS SHALL NOT BE SCALED OFF FROM THE DRAWING.
- THE CONCRETE DIMENSIONS SHOWN IN THIS DRAWING ARE BASED ON PRELIMINARY DESIGN AND MAY VARY DURING FINAL DESIGN.
- ALL DRAINAGE SPOUT BOTTOMS SHALL BE TAKEN AT LEAST 300mm BELOW SOFFIT OF DECK & SHALL BE PROPERLY SUPPORTED AS DIRECTED BY THE ENGINEER-IN-CHARGE.

REFERENCE DRAWING

FILENAME	9130-BR1-GAD-101-RA 2017-03-24 GENERAL ARRANGEMENT OF BRIDGE
----------	--

REVISIONS

REV	DATE	DESCRIPTION
A	22/03/17	ISSUED FOR APPROVAL

APPROVAL

NAME	DATE	APPROVAL	NAME	DATE	
DESIGNER	HJ	19/06/16	CLIENT	19/06/16	
CHECKED	SRS	19/06/16	PROJECT LEADER	ARS	19/06/16
DRAWN	DRP	19/06/16	DISCIPLINE	CHL	19/06/16

CLIENT: ROAD & BUILDING DIVISION, NAVSARI

PROJECT: CONSTRUCTION OF ROB AT L.C.No.111 (RLY Km. 221/7-8) ON AMALSAD-GANDEVI ROAD

TITLE: GENERAL ARRANGEMENT OF BRIDGE

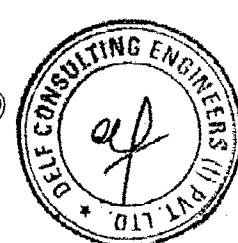
SHEET 1 OF 2

SCALE: AS SHOWN

DATE: 19/06/16

SOIL TYPE LEGEND

SOIL TYPE	LEGEND	DESCRIPTION
CI	[Symbol]	OVER BURDEN SOIL, CLAYEY GRAVEL OF MEDIUM PLASTICITY.
CH	[Symbol]	SILTY CLAY OF HIGH PLASTICITY.
CL	[Symbol]	SILTY CLAY OF MEDIUM PLASTICITY.
GC	[Symbol]	CLAYEY SAND OF MEDIUM PLASTICITY.



Deputy Executive Engineer, Navsari (R & B) Sub Division Navsari

Executive Engineer, Navsari (R & B) Division, Navsari

