



FOR 31.25m SPAN BETWEEN P10 -P11

DRG. CHECKED BY.		HEAD QUARTERS APPROVAL	
C.D.M. (ROB)	S.S.E. (D) R.O.B	XEN. (BR) HQ.	DY. C.E. (BR) HQ.
DIVISIONAL OFFICERS APPROVAL		CHIEF BRIDGE ENGINEER	

- NOTES:-**
- 1 ALL DIMENSIONS ARE IN MM. AND LEVELS ARE IN METRES UNLESS STATED OTHERWISE
 - 2 DIMENSIONS OF MEMBER SHOWN IN THIS DRAWING ARE TENTATIVE. FIND ARE SUBJECT TO BE CONFIRMED BY THE CONSULTANT.
 - 3 FOLLOWING DIMENSIONS ARE OBLIGATORY:
 - a) MIN. VERTICAL CLEARANCE BETWEEN RAIL TOP TO GIRDER BOTTOM ---- 6525 mm MIN.
 - b) DISTANCE BETWEEN OF FUTURE TRACK TO NEARER FACE OF PIER ---- 3100 mm. MIN.
 - 4 THE DESIGN OF ROB SHALL CONFORM TO THE LATEST IRC & IRS CODES & SPECIFICATIONS.
 - 5 THE R.O.B. SHALL BE DESIGNED FOR CARRIAGEWAY LIVE LOAD OF UP TO TWO LANES OF I.R.C. CLASS 'A' LOADING OR ONE LANE OF I.R.C. CLASS 70R, WHICHEVER IS CRITICAL.
 - 6 THE R.O.B. SHALL BE DESIGNED AS PER PROVISION OF IRC-6, 21.1.8.7/8 AND PERMISSIBLE STRESSES AND DESIGN LOADS SHALL BE AS PER I.R.C. PROVISION.
 - 7 CONCRETE USED FOR CONSTRUCTION SHALL BE READY MIXED CONCRETE (R.M.C.) / CONCRETE MIXED FROM BATCHING PLANT. CONFORMING TO IS:1778.
 - 8 HYSD REINFORCEMENT SHALL BE OF GRADE FE 415 OR FE 500 CONFORMING TO IS:1786.
 - 9 BORED CAST-IN-SITU PILES OF MINIMUM 1200 MM DIA SHALL BE PROVIDED. PILE SHALL BE EMBEDDED INTO THE MODERATELY WEATHERED BASALT STRATA. PROPOSED FOUNDATION LEVEL IS 1.6m BELOW GROUND LEVEL WITH SRC OF 200 1/M2 INCLUDING SOCKING EFFECT. THIS IS SUBJECT TO DESIGN CRITERIA & TYPE OF SOIL STRATA FOUND BELOW AS PER THE DISCRETION OF RLY ENGINEER IN CHARGE OF SITE.
 - 10 CORROGATED HDPE SHEATHING OF DIAMETER 110/120 DIA 85/97, 75/92, 51/64 FOR 19713, 12113, 7113 RESPECTIVELY SHALL BE PROVIDED.
 - 11 MINIMUM GRADE OF CONCRETE SHALL BE AS UNDER :

1. P.S.C GIRDER AND SLAB	— M40
2. PIER, PILE CAP	— M30
3. PIER, PILE CAP	— M30
 - 12 STRIPESAL TYPE EXPANSION JOINTS SHOULD BE PROVIDED ON EVERY PIER AND ABUTMENT.
 - 13 DIMENSIONS IN RECTANGULAR ARE OBLIGATORY.
 - 14 NO DIMENSION SHALL BE SCALED FROM THIS DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE ALLOWED.
 - 15 ENGINEER-IN-CHARGE IN CONSULTATION WITH ROAD AUTHORITIES AT THE TIME OF ITS CONSTRUCTION.
 - 16 GUARD RAILS TO BE PROVIDED AS PER STANDARD DRAWING.
 - 17 LEVELS ARE WITH REFERENCE TO TBM.
 - 18 CASTING OF P.S.C. GIRDERS SHALL NOT BE PERMITTED OVER RUNNING TRACK. THEY SHALL BE PRE-CASTED OUTSIDE AND THEN LAUNCHED.
 - 19 ANTI-CRASH BARRIER TO BE PROVIDED AS PER M.O.S.T. STANDARD.
 - 20 A SEPARATE LAUNCHING SCHEME FOR P.S.C GIRDERS & TAD FOR SHUTTLING ARRANGEMENT FOR DECK SLAB HAS TO BE SUBMITTED WHICH WILL BE APPROVED BY RAILWAYS BEFORE COMMENCEMENT OF WORK.
 - 21 WEARING COAT SHALL BE PROVIDED AS PER ROAD AUTHORITIES.
 - 22 CONTROLLED CONCRETE SHALL BE AS PER RLY'S SPECIFICATIONS BASED ON THE DESIGN REQUIREMENT.
 - 23 POT / POT PTFE BEARING SHALL BE USED.
 - 24 NO PLASTERING OR REPAIR WORK SHALL BE PERMITTED AND ANY BAD WORK OF ANY MEMBER/ELEMENT WILL BE SUMMARILY REJECTED.
 - 25 DEPTH OF FOUNDATION WILL BE DECIDED BY ENGINEER IN CHARGE AS PER SITE CONDITION.
 - 26 ALL TECHNICAL RECORDS THAT IS CUBE STRENGTH REGISTER, PRE STRESSING DETAILS ETC. SHALL BE PRODUCED TO RLY ENGINEER FOR VERIFICATION WHENEVER ASKED FOR.
 - 27 EXECUTION OF R.O.B. WORK SHALL BE DONE ONLY IN PRESENCE OF RAILWAY'S AUTHORISED REPRESENTATIVE TO ENSURE THE SAFETY OF RUNNING TRAINS.

REVISIONS

NO	ISSUED	DESCRIPTION	DEALT	CHECKED	APPROVED
P1	13/09/08	ADDED			
P2	30/09/08	SHIFTED TOWARDS RUB	MILIND P. S.V. DEO	S. V. DEO	S. V. DEO
P3	13/09/08	DIMENSIONS SPECIFIED & NOTES	MILIND P. S.V. DEO	S. V. DEO	S. V. DEO

REFERENCE DRAWINGS

2006069/BS/GAD-001	PLAN	FOR APPROVAL ONLY.
2006069/BS/GAD-002	SECTION	FOR APPROVAL ONLY.

DO NOT SCALE THE DRAWING IN CASE OF DOUBT PLEASE ASK

PROJECT
DPR FOR DEVELOPMENT OF NANDED CITY ROADS UNDER JNNURM

CLIENT
NANDED WAGHALA CITY MUNICIPAL CORPORATION

SCALE
SCALE : AS SHOWN

PURPOSE	FOR APPROVAL	ISSUED	S. V. DEO
STATUS	PRELIMINARY	13-09-06	

SCALE : AS SHOWN

DEALT	SCR DRG. NO. (GMW) /P-G.A.D. OF R.O.B. AT NANDED SECTION OF S.C. RAILWAY KM. 349/14-15
CHECKED	S. V. DEO
APPROVED	DRAWING NO. 2006069/BS/ROB-001
REV.	P2

CONSULTANT TO THE PROJECT
NANDED WAGHALA CITY MUNICIPAL CORPORATION

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