V-4-2-623

LONGITUDINAL SECTION A-A

(SCALE 1:150)

PLAN

(SCALE 1:150)

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METER UNLESS OTHERWISE SPECIFIED.
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3. ALL DIMENSIONS AND LEVEL SHOULD BE VERIFIED & RECONCILED BEFORE EXECUTION.
4. THIS GENERAL ARRANGEMENT DRAWING IS INDICATIVE AND IS MEANT ONLY FOR GUIDANCE FOR THE BIDDER. ALL THE ENGINEERING DETAILS ARE TO BE DEVELOPED & DESIGNED BY THE CONTRACTOR AS PER THE EMPLOYER'S REQUIREMENTS,SPECIFICATIONS AND SITE DIMENSIONS / CONDITIONS AND SHALL BE APPROVED BY ENGINEER / EMPLOYER.
5. ALL DIMENSIONS SHALL BE VERIFIED WITH RESPECT TO EXISTING IR BRIDGES ON THE PARALLEL ALIGNMENT AND RECONCILED BEFORE EXECUTION.
6. FORMATION LEVEL SHOWN IN GAD IS AS PER PROPOSED LONGITUDINAL SECTION OF THE ALIGNMENT AND MAY CHANGE DURING DEVELOPMENT OF DETAILED DESIGN STAGE.
7. LENGTH OF RETURN WALL / WING WALL / TOE WALL / PITCHING ETC. IS TO BE DECIDED AS PER THE SITE CONDITION.
8. GROUND PROFILE SHOULD BE VERIFIED BEFORE EXECUTION.

SUPERSTRUCTURE & SUBSTRUCTURE

1) THE BRIDGE SHALL BE DESIGNED AS PER DFCCI LOADING (32.5T AXLE LOAD) BRIDGE RULE, ISSUED BY RDSO. (WITH LATEST CORRECTION SLIP).
2) THE BRIDGE SHALL BE DESIGNED AS PER THE SEISMIC ZONE FOR THE AREA
3) BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.
4) WEEP HOLES SHALL BE OF PROVIDED IN RETURN WALL & ABUTMENT.
5) OHE FOUNDATION BOLTS SHALL BE PROVIDED IN CONSULTATION WITH THE CONTRACTOR OF EMP-4.
6) RAILING EXPANSION JOINTS, BEARING, WEARING COAT, FOOTPATH, SERVICE DUCT, DRAINAGE SHALL BE PROVIDED AS PER SPECIFICATION.
7) FOR INSPECTION OF BEARING / SUPERSTRUCTURE, SUITABLE ARRANGEMENT SHALL BE PROVIDED.
8) FOR CHANGING OF BEARING SUITABLE ARRANGEMENT SHALL BE PROVIDED.

GEO-TECHNICAL

1) FOR TENDER PURPOSE REFER TO GEOTECHNICAL & HYDROLOGICAL INVESTIGATION REPORT.
2) GEO-TECHNICAL BORE HOLE DATA REFERED IN GAD IS INDICATIVE ONLY.
3) DETAILED GEO-TECHNICAL INVESTIGATION SHALL BE CARRIED OUT DURING DETAILED DESIGN STAGE.

TABLE-1

DETAILS	PROPOSED DFC
PACKAGE	3
SECTOR	6
BRIDGE NO.	92B
CHAINAGE	27116
SPAN CONFIGURATION	2X12.2m
OVERALL SPAN (mm)	13375
EFFECTIVE SPAN (mm)	12575
CLEAR SPAN (mm)	12200
TYPE OF STRUCTURE	PRESTRESSED CONTIGUOUS BOX
DEPTH OF SUPERSTRUCTURE (mm)	1780
TYPE OF CROSSING	POND
BRIDGE (STRAIGHT/CURVE/SKEW)	STRAIGHT
FORMATION LEVEL R.L. (METER)	32.521
BED LEVEL R.L. (METER)	21.897
GROUND LEVEL R.L. (METER)	24.897
TYPE OF FOUNDATION	PILE FOUNDATION
BRIDGE BEARING (ELASTOMER WITH - SUITABLE RESTRAINTS)	FIX & FREE

Project Title :

Dedicated Freight Corridor Project
(Western Corridor Phase-1:
Rewari - Vadodara Section)

Client :

Dedicated Freight Corridor Corporation of India
(A GOVERNMENT OF INDIA UNDERTAKING)

5th Floor, Pragati Maidan Metro Station Building,
New Delhi-110001, INDIA

Drawing Title :

GENERAL ARRANGEMENT DRAWING OF MAJOR BRIDGE NO.92B FOR POND AT Ch. 27116, SPAN 2 x 12.20m PRESTRESS CONTIGUOUS BOX GIRDER

Drawing Number : NKC -CTS -MAJ -AHM-0092B (SHEET 1 OF 3)

Scale : AS SHOWN

Reference : GAD PREPARED BY CPM AHMEDABAD

Drawn By : / /

Checked By : / /

Approved By : / /

Consultant :

NK Consortium

4th Floor, Pragati Maidan Metro Station Building,
New Delhi-110001, INDIA

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SECTION B-B

(SCALE 1:100)

ABUTMENT DETAIL - A1

(SCALE 1:100)

SECTION C-C

(SCALE 1:100)

DETAIL OF PIER

(SCALE 1:75)

DETAIL - A

(SCALE 1:40)

DETAIL - B

(SCALE 1:40)

Project Title :	Client :	Drawing Title :	Drawing Number :	Consultant :
Dedicated Freight Corridor Project (Western Corridor Phase-1: Rewari - Vadodara Section)	DFCC Dedicated Freight Corridor Corporation of India (A GOVERNMENT OF INDIA UNDERTAKING) 5th Floor, Pragati Maidan Metro Station Building, New Delhi-110001, INDIA	GENERAL ARRANGEMENT DRAWING OF MAJOR BRIDGE NO.92B FOR POND AT Ch. 27116, SPAN 2 x 12.20m PRESTRESS CONTIGUOUS BOX GIRDER	NKC -CTS -MAJ -AHM-0092B (SHEET 2 OF 3) Scale : AS SHOWN Reference : GAD PREPARED BY CPM AHMEDABAD Drawn By : / / Checked By : / / Approved By : / /	NK Consortium 4th Floor, Pragati Maidan Metro Station Building, New Delhi-110001, INDIA

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PLAN AT PIER CAP LEVEL (P1)

(SCALE 1:75)

PLAN AT ABUTMENT CAP LVL. (A2)

(SCALE 1:75)

BORE HOLE PROFILE FOR BRIDGE NO. 92B

12.2 m SPAN (PRESTRESSED CONTIGUOUS BOX)

(SCALE 1:50)

SECTION X-X

(SCALE 1:40)

Project Title :	Client :	Drawing Title :	Drawing Number :	Consultant :
Dedicated Freight Corridor Project (Western Corridor Phase-1: Rewari - Vadodara Section)	Dedicated Freight Corridor Corporation of India (A GOVERNMENT OF INDIA UNDERTAKING) 5th Floor, Pragati Maidan Metro Station Building, New Delhi-110001, INDIA	GENERAL ARRANGEMENT DRAWING OF MAJOR BRIDGE NO.92B FOR POND AT Ch. 27116, SPAN 2 x 12.20m PRESTRESS CONTIGUOUS BOX GIRDER	NKC -CTS -MAJ -AHM-0092B (SHEET 3 OF 3) Scale : AS SHOWN Reference : GAD PREPARED BY CPM AHMEDABAD Drawn By : / / Checked By : / / Approved By : / /	NK Consortium 4th Floor, Pragati Maidan Metro Station Building, New Delhi-110001, INDIA