

Construction of Bridge across kankra khadi joining Udhana Magdalla road and Bamroli, Surat. (Under JnNURM)



1	Location	: On 80' wide road joining Udhana Magdalla road (Gandhikutir) and Bamroli area
2	Type of Bridge	: Four lane high level bridge
3	Year of Construction	: June - 2009
4	a. Length of bridge (between ends of decking)	: 180 mt
	b. Length of Approaches	
	i. Towards Bamroli (Binayak nagar side)	: 124 mt
	ii. Towards Udhana Magdalla road (Swami Industrial side)	: 7.30 mt
5	Width of Bridge	
	A. Carriage way	: 7.5 mt + 7.5 mt= 15.0mt
	B. Footpath	: 1.55 mt on either side
	C. Service slab	: 1.50 mt on either side
	D. Central verge	: 0.75 mt
	E. Total width	: 22.30 mt
6	Design Discharge	: 1400 cumecs
	Design H.F.L.	: R.L. +7.6mt
	Type of Bridge	: High Level Bridge
	Finished Road Top Level	: R.L. +11.50mt
7	Type of foundation	: Pile foundation
8	Substructure	: RCC walled pier 8.0 mt wide 1.0 mt thick
9	Super structure	
	A. Nos. of span	: 30 x 6 = 180 mt.
	B. Types	: Cast in situ PSC girder with deck slab
10	Expansion joint	: Single strip seal type
11	Bearings	: Neoprene pad bearing
12	Project cost	: Rs. 925 Lacs
13	Funding under JnNURM Scheme	
	Sanctioned project cost	: Rs. 841.39 Lacs
	Share of Gol (50%)	: Rs. 420.69 Lacs
	Share of GoG (20%)	: Rs. 168.29 Lacs
	Share of SMC (30%)	: Rs. 252.41 Lacs
14	Name of Contractor	: Sona Builders, Unjha.
15	Name of Design Consultant	: Multi Media Consultant Pvt. Ltd., Ahmedabad
16	Name of Third Party Inspection agency	: Certifications Engineers International Ltd., New Delhi.

