

Construction of Fly Over Bridge at Kapodra Fire Station junction on Varachha main road, Surat. (Under JnNURM)



Project Technical Details

1.	Location	:	In East zone area near Kapodra Fire Station junction on Varachha road, Surat.
2.	River/ Nala/ Creek	:	Fly Over Bridge
3.	Lane	:	11 mts (three lane) Main bridge
			15 mts grade separators from city to Kamrej
4.	Year of Construction	:	November - 2009
5.	Co st	:	Rs.1004.58 Lacs
6.	Funding under JnNURM Scheme		
	Sanctioned project cost	:	Rs. 932 Lacs
	Share of Gol (50%)	:	Rs. 466 Lacs
	Share of GoG (20%)	:	Rs. 186.40 Lacs
	Share of SMC (30%)	:	Rs. 279.60 Lacs
7.	Details of Bridge	:	
	(i) Length of Bridge (Between ends of Decking)	:	315 mt.
	(ii) Width of bridge	:	(i) 12.00 mt & (ii) 15.00mt
	(ii i) Number of Span	:	9 nos.
	(iv) Span Length	:	35 mt.
	(v) Carriage Way	:	(i) 11.0 mt. fly over (form Kamrej to Surat) (ii) 14.0 mt. Grade separator (from Surat to Kamrej)
	(vi) Length of R.C.C. Approaches & Returns	:	(i) 76.0 mt. (Towards Kamrej) (ii) 120.0 mt. (Towards Surat)
	(Vi) Subway for pedestrian crossing	:	34.0 mt. Length 5.0 mt. Width 3.0 mt. Height
8.	(i) Design Discha rge	:	N.A.
	(ii) Design H.F.L.	:	N.A.
	(iii) Type of Bridge	:	Fly Over Bridge plus grade separator
	(iv) F.R.L.	:	N.A.
9.	Structural Details		
	(i) Foundation	:	Open Foundation
	(ii) Substructure	:	Circular Pier
	(iii) Superstructure	:	PSC Box type girder and Deck slab
	(iv) General Items	:	R.E.Wall in approaches, RCC Box subway for pedestrian crossing at road level.
10.	Name of Contractor	:	Sona Builders, Unjha.
11.	Name of Design Consultant	:	S.N.Bhobe & Associates, Pvt. Lt d., Navi Mumbai.
12.	Name of Project Management Consultant	:	S.N.Bhobe & Associates, Pvt. Ltd., Navi Mumbai.
13.	Name of Third Party Inspecting agency	:	Certifications Engineers International Ltd., New Delhi.
14.	Name of Proof Check Consultant	:	Sardar Vallabhbhai National Institute of Technology, Surat.