

Construction of " Shri Balgangadhar Tilak " Fly Over Bridge on Sosyo Circle junction on Udhna-Magdalla road, Surat. (UNDER SJMMSVY)



01	Location	:	Sosyo Circle on Udhana Magadalla Road
02	River/ Nala/ Creek	:	Fly Over Bridge
03	Lane	:	Three Lane Up & Three Lane Down
04	Year of Construction	:	June-2013
05	Cost	:	Rs. 24,84,33,128=88
06	Details of Bridge	:	
	(i) Length of Bridge (Between ends of Decking)	:	274.40mt. (Total 446.999 mt incl. approach)
	(ii) Width of Bridge	:	23.200 mt.
	(iii) Number of Span	:	2 X 16 = 32
	(iv) Span Length	:	2 X 9 X 12.5 = 225mt. 2 X 2 X 21.70 = 86.80mt. 2 X 2 X 28 = 112 mt. 2 X 2 X 18.75=75 mt 2 X 1 X 25=50 mt For both Up & Down
	(v) Carriage Way	:	2 X 10.50mt. both Up & Down Total width 23.20mt. (Three Lane Up & Three Lane Down)
	(vi) Length of R.C.C. Approaches &Returns	:	Towards Uhana = 92.873 Rmt. Towards Magadalla =79.726 Rmt.
07	(i) Design Discharge	:	-----
	(ii) Design H.F.L.	:	-----
	(iii) Type of Bridge	:	Fly Over Bridge
	(iv) F.R.L.	:	15.527 mt
08	Structural Details	:	
	(i) Foundation	:	RCC Bored Cast in situ 1000mm dia 180 Nos. of pile, Pile Foundation
	(ii) Substructure	:	Rectangular Pier
	(iii) Superstructure	:	PSC RCC Solid Slab
	(iv) General Items	:	(1) Strip seal Expansion joint (2) Elastomeric Bearing
09	Name of Contractor	:	Vijay M. Mistry Construction Pvt. Ltd., Ahmedabad.
10	Name of Design Consultant	:	(Formally Pankaj Patel & Associates, Ahmedabad.) Pankaj M.Patel Consultants Pvt Ltd., Ahmedabad
11	Name of Project Management Consultant	:	Casad Consultant, Ahmedabad