

Construction of " Shri Madanlal Dhingra " Fly over Bridge on Ring Road at Delhi Gate, Amisha Hotel and Lal Darwaja Junction



1.	Location	Ring Road from sahara darwaja to Lal Darwaja junction
2.	River/Nala/Creek	Fly Over Bridge
3.	Lane	Four lane
4.	Year of construction	Phase -I :- 22/03/2015 Phase -II :- 23/05/2015 Phase -III :- 21/08/2015
5.	Cost	Rs. 100.53 Crore Lacs
6.	Details of Main Bridge	
	A) Length	
	(i) Main fly over Bridge	896 mt (25 nos.of span :10 x 34mt + 8 x 38mt + 7 x 36mt)
	(ii) Approach (Sahara side)	100 mt
	(iii) Approach (Lal darwaja side)	74 mt
	(iv) Total	1070 mt
	B) Width	
	(i) carriage way	2 x 7.5 mt = 15.0 mt (four lane)
	(ii) Total	17.2 mt
7.	Details of Up Ramp(at Lal darwaja)	
	(i) Span length	144 mt (4 nos of span: 4 x 36mt)
	(ii) Approach	113.63 mt
	(iii) Total	257.63 mt
	(iv) Total Width	8.5 mt
	(v) carriage way	7.5 mt (two lane)
8.	Details of Down Ramp (at Amisha Hotel)	
	(i) Span length	186 mt (5 nos of span: 2 x 38mt + 2 x 40mt + 1 x 30mt))
	(ii) Approach	103.43 mt
	(iii) Total	289.43 mt
	(iv) Total Width	8.5 mt
	(v) carriage way	7.5 mt (two lane)
9.	(I) Design Discharge	N.A.
	(ii) Design H.F.L.	N.A.
	(iii) Type of bridge	Fly Over Bridge
	(iv) Finished Road Top Level	Varies
10.	Structural Details :	
	(i) Foundation.	Pile foundation in R. C. C. (M-35)
	(ii) Substructure	R. C. C Oval / Elliptical column and pier cap (M-40)

	(iii) Superstructure	P. S. C. Box Girder supported on POT/PTFE bearing is proposed (M-50)
	(iv) General Items	Anti crash barrier, parapet, Retaining wall.
11.	Name of Contractor	Rajkamal Builders Infrastructures Pvt Ltd, Ahemedabad
12.	Name of Design Consultant	Consulting Engineering Service (India) Pvt. Ltd., Navi Mumbai
13.	Name of Project Management Consultancy	Casad onsultant, Ahmedabad.
14.	Name of Proof Check Consultancy	(1) SVNIT, Surat. (2) R & B Design Circle, Gandhinagar