

**Bridge across creek near Bamroli (Dr.Hedgewar Bridge)**



1.	Location	Road from Surat Civil Hospital to Pandesara. Bamroli.
2.	River/Nala/Creek	Local Creek
3.	Lane	Four
4.	Year of construction	1993
5.	Cost	Rs.146.78 Lacs
6.	Details of Bridge	
	(i) Length of Bridge between ends of decking	120 mtr.
	(ii) Width of Bridge	19.88 mtr.
	(iii) Number of span	Six
	(iv) Span Length	20 mtr.
	(v) Carriage Way	7.5 mtr. + 7.5 mtr. + 1.630 mtr. Wide footpath
	(vi) Length of Returns	Left side - 10.92 mtr.
		Right side -10.92 mtr.
7.	(i) Design Discharge	1100.00 Cumecs
	(ii) Design H.F.L.	R.L. 6.90 mtr.
	(iii) Type of bridge	High Level bridge
	(iv) F.R.L.	R.L. 9.650 mtr
8.	Structural Details :	
	(i) Foundation.	Pile foundation with 1.2 mtr. bored cast in situ piles in M-20 Concrete, 18.8 mtr deep below pier pilecap & 15.8 mtr below abutment pile cap.
	(ii) Substructure	R.C.C. M-20 V Shaped piers / wall type abutments.
	(iii) Superstructure	Pre stressed concrete in M-35 deck in three girder system composite with R.C.C. deck slab (for two lane) simply supported on elastomeric bearings.
	(iv) General Items	R.C.C. M-20 parapets.
9.	Name of Contractor	M/s. Sona Builders, Surat.
10.	Name of Consultant	Multi Media Consulting Engineers, Ahmedabad.