

## Bridge across Kankara Khadi near South Zone Office (Revanagar)



1.	Location	From Surat Navsari Road to Revanagar industrial Society
2.	River/Nala/Creek	Kankara khadi
3.	Lane	Four lane
4.	Year of construction	1997
5.	Cost	Rs.149.62 Lacs
6.	Details of Bridge	
	(i) Length of Bridge	77 mtr.
	(ii) Width of bridge	19.591 mtr
	(iii) Number of span	Seven
	(iv) Span Length	11 mtr.
	(v) Carriage Way	2x7.5 mtr. + 1.20 mtr.wide footpath on both side.
	(vi) Length of Returns	Right side -40.00 mtr. Lift Side : 40.00 mtr.
7.	(i)Design Discharge	1050 Cumecs
	(ii) Design H.F.L.	R.L.6.40 mtr.
	(iii) Type of bridge	Submersible bridge.
	(iv) F.R.L.	R.L. + 7.425 mtr.
8.	Structural Details :	
	(i) Foundation.	R.C.C. bored cast in situ piles 1200 mm dia
	(ii) Substructure	R.C.C. piles extended to directly suport deck on pilecap.
	(iii) Superstructure	R.C.C. solid slab deck simply supported on elastomeric bearings.
	(iv) General Items	Post and pipe rails. The bridge also has provision for carrying 2 Nos. 1000 mm dia water supply mains.
9.	Name of Contractor	M/s. Sona Builders, Surat.
10.	Name of Consultant	Multi Media Consulting Engineers, Ahmedabad.