

Bridge across creek near Chimni Tekra



1.	Location	Road from opp. Kinnary cinema to Udhna Industrial Estate.
2.	River/Nala/Creek	koyli Khadi
3.	Lane	Four
4.	Year of construction	1993
5.	Cost	Rs.81.74 Lacs
6.	Details of Bridge	
	(i) Length of Bridge between ends of decking	60 mtr. (Skew)
	(i) Width of Bridge	19.658 mtr.
	(ii) Number of span	Three Nos.
	(iii) Span Length	20 mtr.
	(iv) Carriage Way	2 x 7.5 mtr. + 1.50 mtr. Wide footpath on both sides
	(v) Length of Returns	Left side - 8.93 mtr.
		Right side -8.93 mtr.
7.	(i) Design Discharge	600.00 Cumecs
	(ii) Design H.F.L.	R.L. 8.00 mtr.
	(iii) Type of bridge	High Level bridge
	(iv) F.R.L.	R.L. 11.00 mtr
8.	Structural Details :	
	(i) Foundation.	Bored cast in situ piles in M-20 concrete with 1200 mm dia. 13.90 mtr. deep below abutment pilecap & 16.90 mtr deep below pier pile cap.
	(ii) Substructure	R.C.C. M-20, wall type piers and wall type abutments.
	(iii) Superstructure	Pre-stressed concrete in M-35 T beam / slab three girder system (for two lanes) deck simply supported slab. over elastomeric bearing
	(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.