

Bridge across creek near Ved Darwaja



1.	Location	Road from Surat City to Singanpore
2.	River/Nala/Creek	Local creek
3.	Lane	Four
4.	Year of construction	1989
5.	Cost	Rs.11.71 Lacs
6.	Details of Bridge	
	(i) Length of Bridge between ends of decking	12.50 mtr.
	(ii) Width of Bridge	21.260 mtr
	(iii) Number of span	Two
	(iv) Span Length	7.5 mtr. + 5.0 mtr.
	(v) Carriage Way	7.5 mtr. + 7.5 mtr. + 1.805 mtr. Wide footpath on both sides, 1.5 mtr. Central verge.
	(vi) Length of Returns	Left side -
		Right side - 6.5 mtr.
7.	(i) Design Discharge	90.00 Cumecs
	(ii) Design H.F.L.	+8.40 mtr
	(iii) Type of bridge	Submersible bridge
	(iv) F.R.L.	+8.40 mtr
8.	Structural Details	
	(i) Foundation	Open foundation for piers and abutment.
	(ii) Substructure	Mass concrete M-10 pier and gravity type mass concrete abutments have been provided.
	(iii) Superstructure	R.C.C.M-20 solid slab simply supported suitable for submergence.
	(iv) General Items	R.C.C. M-20 parapet.
9.	Name of Contractor	Dharmshi Premji & Co., Surat.
10.	Name of Consultant	Multi Media Consulting Engineers, Ahmedabad.