

## Bridge across Creek/Canal at Varachha-Sarthana Road



|     |                        |  |
|-----|------------------------|--|
| 1.  | Location               | Road from Varachha to Kamrej   |
| 2.  | River/Nala/Creek       | Local creek  |
| 3.  | Lane                   | Two lane   |
| 4.  | Year of construction   | 1995   |
| 5.  | Cost                   | Rs.13.80 Lacs  |
| 6.  | Details of Bridge      |  |
|     | (i) Length of Bridge   | 12.0 mtr.  |
|     | (ii) Width of bridge   | 20.540 mt  |
|     | (iii) Number of span   | One  |
|     | (iv) Span Length       | 12.0 mtr.  |
|     | (v) Carriage Way       | Additional carriageway of 3.75 mtr. +1.50 mtr wide footpath added on u/s and d/d. side of existing bridge, |
|     | (vi) Length of Returns | Left side - 7.00 mtr. Right side -7.00 mtr.  |
| 7.  | (i) Design Discharge   | 31.04 Cumecs   |
|     | (ii) Design H.F.L.     | R.L.14.75 mtr.   |
|     | (iii) Type of bridge   | High level bridge.   |
|     | (iv) F.R.L.            | R.L.16.60 mtr.   |
| 8.  | Structural Details :   |  |
|     | (i) Foundation.        | Open foundations in M-20 Concrete  |
|     | (ii) Substructure      | Mass concrete M-20 for abutments.  |
|     | (iii) Superstructure   | R.C.C. solid slab supported on elastomeric bearings in M-20 concrete.                                      |
|     | (iv) General Items     | R.C.C. parapet.  |
| 9.  | Name of Contractor     | Harish J. Patel, Surat.  |
| 10. | Name of Consultant     | Multi Media Consulting Engineers, Ahmedabad.   |