

## Bridge across Koyali Khadi near Railway Culvert No.441 (Anjana)



|     |                        |  |
|-----|------------------------|--|
| 1.  | Location               | Kamela Darwaja to Anajana Tenament   |
| 2.  | River/Nala/Creek       | Koyali khadi   |
| 3.  | Lane                   | Four lane  |
| 4.  | Year of construction   | 1992   |
| 5.  | Cost                   | Rs.91.71 Lacs  |
| 6.  | Details of Bridge      |  |
|     | (i) Length of Bridge   | 60 mtr.  |
|     | (ii) Width of Bridge   | 19.520 mtr.  |
|     | (iii) Number of span   | Nos.- 03   |
|     | (iv) Span Length       | 20 mtr.  |
|     | (v) Carriage Way       | 2 x 7.5 mtr.+ 1.5 mtr. wide footpath on each side  |
|     | (vi) Length of Returns | Left side - 8.0 mtr. Right side - 8.0 mtr.   |
| 7.  | (i) Design Discharge   | 550 Cumecs   |
|     | (ii) Design H.F.L.     | R.L.8.18 mtr.  |
|     | (iii) Type of bridge   | Submersible bridge.  |
|     | (iv) F.R.L.            | R.L.(-) 15.00 mtr. Piers   |
|     |                        | R.L.(-) 13.00 mtr. Abutments.  |
| 8.  | Structural Details :   |  |
|     | (i) Foundation.        | R.C.C. bored cast in situ piles 1200 mm dia. And 17mtr. deep below pile cap & 15.20mt deep below abutment pilecap. |
|     | (ii) Substructure      | M-20 R.C.C. single circular column piers and R.C.C. wall type abutment.  |
|     | (iii) Superstructure   | Pre-stressed concrete solid slab in M-40 Concrete supported over elastomeric bearings.                             |
|     | (iv) General Items     | Post and Pipe Railing.   |
| 9.  | Name of Contractor     | M/s. Sona Builders, Surat.   |
| 10. | Name of Consultant     | Multi Media Consulting Engineers, Ahmedabad.   |