

**Widening of Existing Bridge (on down stream side) across creek on  
(S.H. No. 167) near Varachha Water Works**



**Project Technical Details:**

|     |                             |  |
|-----|-----------------------------|--|
| 1.  | <b>Location</b>             | On Road from Surat to Kamrej (S. H. No. 167) |
| 2.  | <b>River/Nala/Creek</b>     | Local creek                                  |
| 3.  | <b>Lane</b>                 | Three lane                                   |
| 4.  | <b>Year of construction</b> | 2003   |
| 5.  | <b>Cost</b>                 | Rs 47.82 lacs                                |
| 6.  | <b>Details of Bridge</b>    |  |
|     | (i) Length of Bridge        | 33.50 mtr.                                   |
|     | (ii) Width of bridge        | 16.450 mt                                    |
|     | (iii) Number of span        | 3 Nos.                                       |
|     | (iv) Span Length            | 2x10 mtr. + 1x13.5 mtr.                      |
|     | (v) Carriage Way            | 11.850 mtr.                                  |
|     | (vi) Length of Returns      | Left side- 6.4 mtr.<br>Right side -6.4 mtr.  |
| 7.  | (i) Design Discharge        | 100 Cumecs                                   |
|     | (ii) Design H.F.L.          | R. L. 13.10 mtr.                             |
|     | (iii) Type of bridge        | High Level Bridge                            |
|     | (iv) F.R.L.                 | 15.925 mt                                    |
| 8.  | <b>Structural Details :</b> |  |
|     | (i) Foundation.             | Open foundation                              |
|     | (ii) Substructure           | RCC wall type pier                           |
|     | (iii) Superstructure        | RCC T-beam Girder slab type                  |
|     | (iv) General Items          | R.C.C. parapet                               |
| 9.  | <b>Name of Contractor</b>   | M/S Sonal Construction Co., Surat.           |
| 10. | <b>Name of Consultant</b>   | Multi Media Consulting Engineers, Ahmedabad. |