

Construction of Fly Over Bridge at Puna Junction on middle ring road in Surat City.



01	Location	: Near middle Ring Road junction on Surat - Kadodara main Road
02	River/ Nala/ Creek	: Fly Over Bridge
03	Lane	: 3 x 3 lane (Two split bridges)
04	Year of Construction	: Completed(30/01/2019)
05	Estimated Cost	: Rs. 36,78,14,130=46
06	Tender Cost	: Rs. 29,45,45,555=67
07	Details of Bridge	:
	(i) Length of Bridge	Surat to Kadodara (3 lane) = 535.00 mt. : Kadodara to Surat (3 lane) = 535.00 mt. Total Length of Bridge including Approach = 1070.00 mt.
	(ii) Width of Bridge	Surat to Kadodara (3 lane) = 10.50 mt. clear carriage way + (2 x 0.45) mt. crash barrier : Kadodara to Surat (3 lane) = 10.50 mt. clear carriage way + (2 x 0.45) mt. crash barrier Total width of each split part = 11.40 mt.
	(iii) Number of Span	: Towards Kadodara side = 30 Nos. : Towards Surat side = 30 Nos.
	(iv) Span Length	: Towards Kadodara side: (25 x 15) (12x7) (11X6) (5X2) : Towards Surat side: (25 x 15) (12x7) (11X6) (5X2)
	(v) Carriage Way	: 10.50 mt.
08	(i) Design Discharge	: -----
	(ii) Design H.F.L.	: -----
	(iii) Type of Bridge	: Fly Over Bridge
	(iv) Finished Road Top Level	: Varies
09	Structural Details	:
	(i) Foundation	: RCC bored cast in situ pile having 1000 mm dia. for main/viaduct bridge. For shorter span, piles m having 750 mm dia.
	(ii) Substructure	: RCC Pier, Pier cap, Abutment and Abutment cap.
	(iii) Superstructure	: PSC Girder and Deck Slab.
	(iv) General Items	: (1) Single Strip seal Type Expansion joint. : (2) POT-PTFE Bearing or Elastomeric Bearings.

10	Area of Bridge	: 12198.00 sq. mt.
11	Name of Contractor	: Ranjit Buildcon Limited, Ahmedabad.
12	Name of Design Consultant	: Casad Consultant, Ahmedabad.
13	Proof Check Consultant	: Shah Associates, Ahmedabad Design (R & B) Circle, Gandhinagar
14	Project Management Consultancy	: Multi Media Consultants Pvt. Ltd., Ahmedabad.

Bridge Was inaugurated by Hon'ble Prime Minister shri Narendrabhai Modi on 30.01.2019