

## Construction of Fly Over Bridge in north zone area at Ved Darwaja junction & Katargam Darwaja Junction in Surat City.



01	Location	: At Ved Darwaja junction and Katragam Darwaja junction in North Zone area.
02	River/ Nala/ Creek	: Fly Over Bridge
03	Lane	: 2 x 2 lane
04	Year of Construction	: COMPELTED APRIL 2021
05	Cost	: Rs. 41,40,64,853=00
06	Details of Bridge	:
	(i) Length of Bridge	Ved Darwaja to Katargam Darwaja junction (Main Portion) = 687.00 mt. : Katargam Darwaja junction to Manav Uthan Kendra (Divided Portion) = 193.50 mt. <b>Total Length of Bridge = 880.50 mt.</b>
	(ii) Width of Bridge	Total width = 16.50 mt. (4 lane) consisting (2 x 7.5) mt. clear carraige way + (2 x 0.45) mt. crash barrier + 0.600 mt. central verge. : Bridge Approach Portion towards Ring Road has Two Split Bridges. Total width of each split part = 8.4 mt. consisting (1 x 7.5) mt. clear carriage way + (2 x 0.45) mt. crash barrier.
	(iii) Number of Span	: 42 Nos.
	(iv) Span Length	: (35.00 x2) + (25.00 x 12) + (23.50 x 2) + (20.00 x17) + (12.50 x 10)
	(v) Carriage Way	Ved Darwaja to Katargam Darwaja junction (Main Portion) = 16.50 mt. (4 lane) : Katargam Darwaja junction to Manav Uthan Kendra (Divided Portion) = 7.50 mt. (up) and 7.50 mt. (dn)
07	(i) Design Discharge	: -----
	(ii) Design H.F.L.	: -----
	(iii) Type of Bridge	: Fly Over Bridge
	(iv) Finished Road Top Level	: Varies
08	Structural Details	:
	(i) Foundation	: RCC bored cast in situ pile having 1200 / 1000 / 750mm. dia.
	(ii) Substructure	: RCC Pedestals, RCC Pier & Pier cap.
	(iii) Superstructure	: PSC Girder with Deck slab, PSC Voided Slab.
	(iv) General Items	: (1) Single Strip seal Type Expansion joint. (2) POT-PTFE Bearing or Elastomeric Bearings.
09	Area of Bridge	Main bridge = 11335.50 sq. mt. : Divided portion = 3250.80 sq. mt. Total Area = 14586.30 sq. mt.
10	Name of Contractor	: Ranjit Buildcon Limited, Ahmedabad.
11	Name of Design Consultant	: Casad Consultant, Ahmedabad.
12	Proof Check Consultant	: Shah Associate, Ahmedabad
13	Project Management Consultancy	: Multi Media Consultants Pvt. Ltd., Ahmedabad.