

Construction Creek bridge at T. P. 59 (Unn) connecting F.P.181 and F.P. 182 on 18.00 mt wide T .P. Road in South Zone, Surat.



01	Location	: Construction Creek bridge at T. P. 59 (Unn) connecting F.P.181 and F.P. 182 on 18.00 mt wide T .P. Road in South Zone, Surat.
02	River/ Nala/ Creek	: Creek Bridge
03	Lane	: Single Lane
04	Year of Construction	: Started February 2024
05	Cost	: Rs. 7,65,77,995.23
06	Details of Bridge	:
	(i) Length of Bridge	: Total Length of Bridge-127.395 mtr 1) 2 Nos. x 15.00 mt c/c spans (A1 to A2) Total Length = 2 x 15.00 = 30.00 m 2) Approach portion: 1. Approach portion-1(Surat Navsari Main Road Side) Total length of Retaining wall = 24.980 m 2. Approach portion-2: (Unn Village Side) Total length of Retaining wall = 72.375 m
	(ii) Width of Bridge	: 1. Clear Carriageway Width = 7.500 mt 2. Overall Width = 7.500+ (1.050 Footpath) + (0.300+0.850 Utility Slab) + (2*0.450 Crash Barrier) = 10.600 mt. of bridge 3. 0.850 m utility slab
	(iii) Number of Span	: 02 Nos
	(iv) Span Length	: (2 Nos. x 15.0 mtr)
	(v) Carriage Way	: 4. Clear Carriageway Width = 7.50 mt
07	(i) Design Discharge	: -----
	(ii) Design H.F.L.	: 16.243 mtr
	(iii) Type of Bridge	: Creek Bridge
	(iv) Finished Road Top Level	: 18.400 mtr
08	Structural Details	:
	(i) Foundation	: RCC bored cast in situ pile having 1000mm.Φ / 750mm.Φ
	(ii) Substructure	: RCC Pedestals, RCC Pier & Pier cap.
	(iii) Superstructure	: PSC Girder with Deck slab.
	(iv) General Items	: (1) 40 mm Strip seal Type/filler joint joint. (2) Elastomeric Bearings. (3)0.850 m utility slab
09	Area of Bridge	: 1350.387 sq. mt.
10	Name of Contractor	: Akshar Construction Co. Mehsana.
11	Name of Design Consultant	: Shah Associates, Ahmedabad.
12	Proof Check Consultant	: Buidsafe Consultants, Ahmedabad.
13	Project Management Consultancy	: -----