

Construction Creek bridge at T. P. 59 (Unn) connecting F.P.202 and F.P. 207E on 24.00 mt wide T .P. Road in South Zone, Surat.



01	Location	: Construction Creek bridge at T. P. 59 (Unn) connecting F.P.202 and F.P. 207E on 24.00 mt wide T .P. Road in South Zone, Surat.
02	River/ Nala/ Creek	: Creek Bridge
03	Lane	: 2 Lane
04	Year of Construction	: Started February 2024
05	Cost	: Rs. 9,56,78,305.95
06	Details of Bridge	:
	(i) Length of Bridge	: Total Length of Bridge-103.150 mtr 1) 3 Nos. x 15.00 mt c/c spans (A1 to A2) Total Length = 3 x 15.00 = 45.00 m 2) Approach portion: 1. Approach portion-1(Amena Hospital Side FP 202) Total length of Retaining wall = 39.400 m 2. Approach portion-2: (Unn Village Side FP-207E) Total length of Retaining wall = 18.750 m
	(ii) Width of Bridge	: 1. Clear Carriageway Width = 11.00 mt (SQ) 2. Overall Width = 5.50 + (1.250 Footpath) + (0.300+1.200 Utility Slab) = 8.25 mt. of bridge (Single Side). 3. 1.20 m utility slab
	(iii) Number of Span	: 03 Nos
	(iv) Span Length	: (3 Nos. x 15.0 mtr)
	(v) Carriage Way	: 4. Clear Carriageway Width = 11.00 mt
07	(i) Design Discharge	: -----
	(ii) Design H.F.L.	: 13.773 mtr
	(iii) Type of Bridge	: Creek Bridge
	(iv) Finished Road Top Level	: 16.100 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)1.20m utility slab
09	Area of Bridge	: 1701.97 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	: -----