

## Construction Of " Shri Guru Teg Bahadursinh" Road Over Bridge in lieu of Level Crossing No.146 near Sumul Dairy



<b>1.</b>	<b>Location</b>	Road from Sumul Dairy to Ashwanikumar	
<b>2.</b>	<b>River/Nala/Creek</b>	Approaches to Over Bridge on Railways (B.G.)	
<b>3.</b>	<b>Lane</b>	Two lane	
<b>4.</b>	<b>Year of construction</b>	1997	1995
<b>5.</b>	<b>Cost</b>	Rs.301.88 Lacs	125.70 Lacs.
<b>6.</b>	<b>Details of Bridge</b>		
	<b>(i) Length of Bridge approaches</b>	850 mt.	59.5 mt.
	<b>(ii) Width of Bridge</b>	8.1 mt.	11.050 mt.
	<b>(iii) Number of span</b>	37 Nos.	3 Nos.
	<b>(iv) Span Length</b>	14 mt. c/c	1 No. 22.20 mt. & 2 no. 18.65 mt. c/c
	<b>(v) Carriage Way</b>	7.5 mt.	7.5 mt. +1.5 mt. wide footpath on both sides.
	<b>(vi) Length of Returns</b>	Left side - 165 mtr. Right side - 165 mtr.	N.A.
<b>7.</b>	<b>(i) Design Discharge</b>	N.A.	N.A.
	<b>(ii) Design H.F.L.</b>	N.A.	N.A.
	<b>(iii) Type of bridge</b>	Approach structures to Road Over bridge	Railway Over Bridge
	<b>(iv) F.R.L.</b>	R.L. 24.45 mt.	R.L. 24.45 mt.
<b>8.</b>	<b>Structural Details :</b>		
	<b>(i) Foundation.</b>	Open foundation	Pile Foundation
	<b>(ii) Substructure</b>	R.C.C. wall type pier and R.C.C. Abutments.	R.C.C. Pier
	<b>(iii) Superstructure</b>	R.C.C. T beam and slab deck, simply supported over bearings.	P.S.C. Girder with R.C.C. deck Slab
	<b>(iv) General Items</b>	R.C.C. M-20 precast parapet.	R.C.C. Solid Parapet
<b>9.</b>	<b>Name of Contractor</b>	M/s. Ranjit Construction Co., Mehsana	M/s. Ajay Engineers, Mehsana
<b>10.</b>	<b>Name of Consultant</b>	Multi Media Consulting Engineers, Ahmedabad.	