
Name of Project:-
**CONSTRUCTION OF PILOT CORRIDOR
UNDER BUS RAPID TRANSIT SYSTEM
ON A B ROAD INDORE
(NIRANJANPUR TO RAJIV GANDHI SQUARE)**
under JNNURM



CLIENT:-

**Indore Development Authority, Indore.
Atal Indore City Transport Services Ltd.**



B
R
T
S

DESIGN CONSULTANTS:-

M/S. Mehta & Associates, Indore.

Project Management Consultants:-

M/S. Technogem Consultant's Pvt. Ltd., Thane

Contractor:-

M/S. Niraj – Pratibha (J V), Mumbai.

Map showing Project Corridor:-

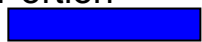
TOTAL LENGTH = 11.465 Km

60m ROW
Portion

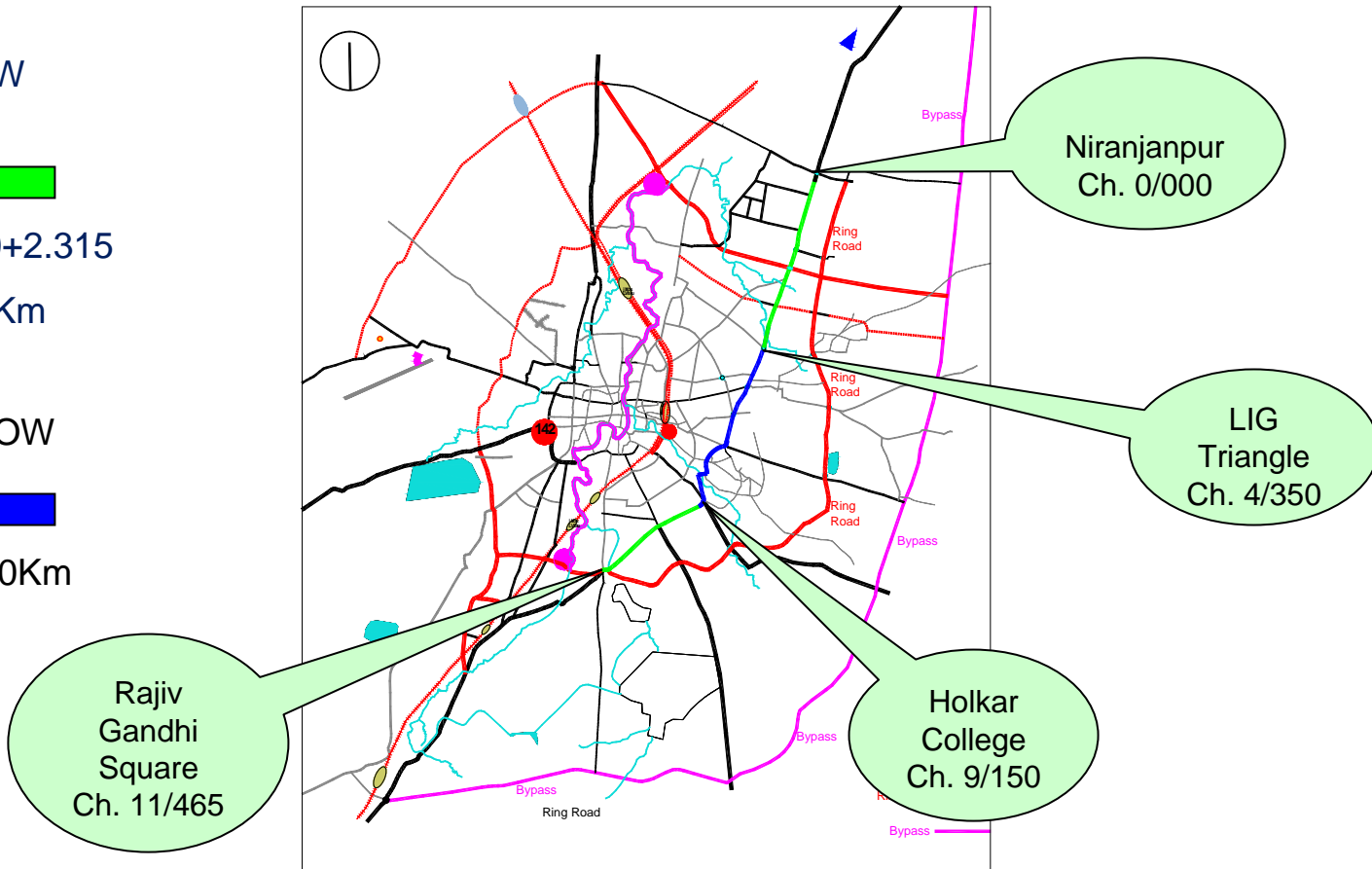


$$L = 4.350 + 2.315 \\ = 6.665 \text{ Km}$$

31.6m ROW
Portion



$$L = 4.800 \text{ Km}$$



CONCEPT OF THE BRTS PROJECT



The main concept behind BRTS project is

1. To segregate slow and fast moving traffic
 2. To provide dedicated bus lane for public transport
 3. To integrate public transport with urban development
 4. To reduce air pollution
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SALIENT FEATURES OF THE PROJECT

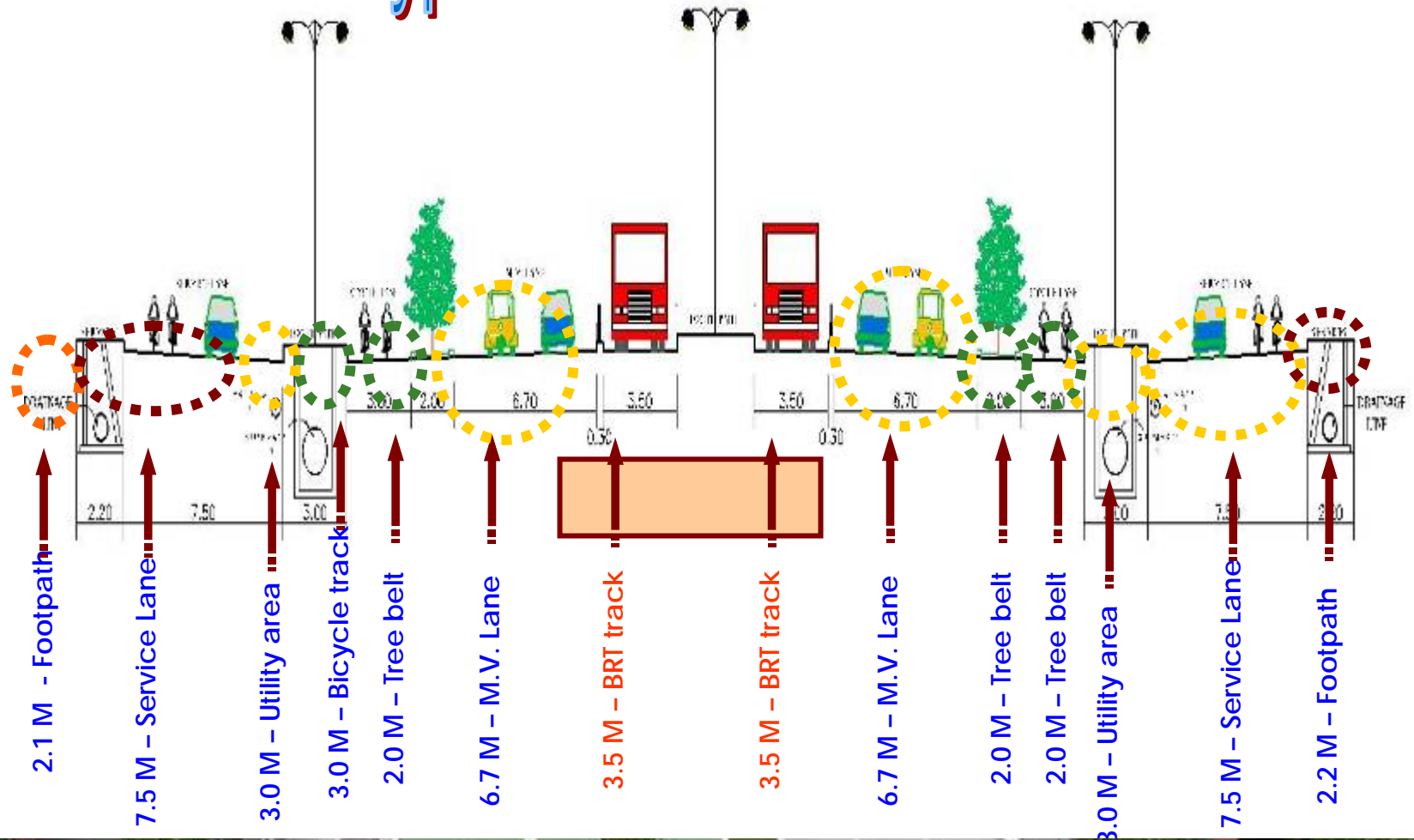


- Project Cost : Rs. 137.70 Crores
 - Project Length : 11.465 km
 - Date of Commencement : 1st Oct 2007
 - Date of Completion : 30st Sep 2009
 - Re-scheduled Date of Completion : 30th June 2010
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System Design

Right-of-Way (ROW)	60m - 62% and 31.6m - 38%
Bus Lane	Median (Central)
Bicycle Lane	On either side of corridor
Pedestrian Crossing	23 signalized, 1 Half Subway
No. of Lanes <ul style="list-style-type: none">■ 60m ROW■ 31.6m ROW	6 MV and 2 Bus lanes 4 MV and 2 Bus lanes
Junctions	23 signalized
Bus Shelters	46 (before junctions, staggered)
Spacing of Bus Shelters	Average 571 m

Typical cross - section



The Cross Section has been designed to physically segregate Public Transport, Motorized Vehicles, Non Motorized Vehicles and Pedestrians

PROPOSED BIRD VIEW OF THE PROJECT



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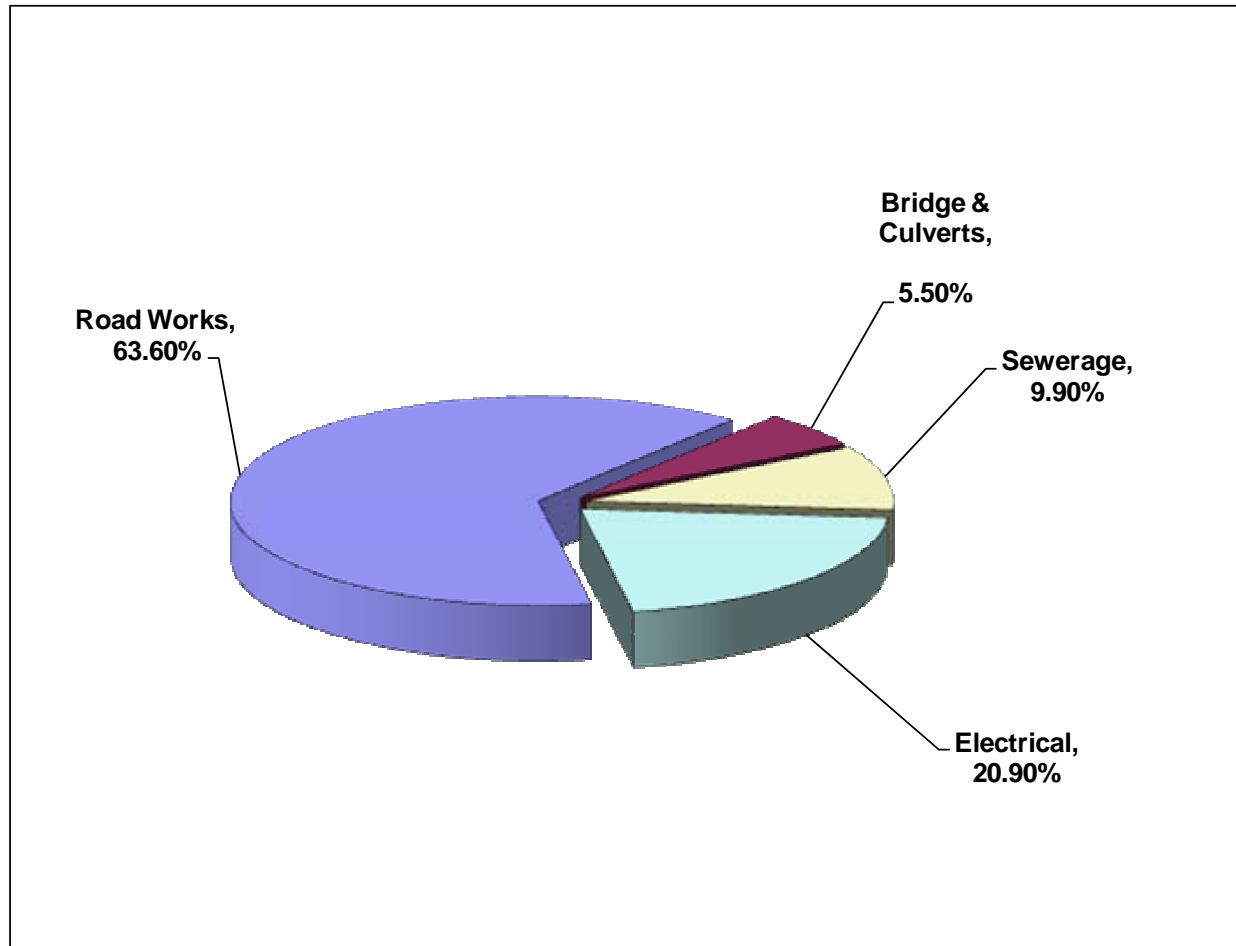
SPECIAL PROVISIONS IN THE BRTS PROJECT



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Break up of Project Cost



Plant & Machinery being used for BRTS (Pilot Corridor), Indore.



UP to date Expenditure of the project

Sr. No.	Description	Amount (in Rs. Lakhs)
1	Mobilization Advance	1377.014
2	Work Done Amount	2338.17
3	Secured Advance	196.68
4	Escalation	83.54
	Total Expenditure	3995.40

Chart showing Physical Progress

Major Activities	Status	
Excavation	54%	46%
GSB	25%	75%
DLC	50%	50%
PQC	40%	60%
Sewer Main Trunk	12%	88%
Bridges & CDs	20%	80%
Electrical works	15%	85%
Storm water line	22%	78%

 Completed

 Balance to be tackled

Summary of Encroachment in BRTS Corridor

Sr. No.	Particular	Numbers	Length (meter)
1	Religious places	22	335.46
2	IMC	35	614.7
3	Private Properties	162	5798.87
4	Bank Properties	5	178.7
5	MPSEB Properties	2	66.5
6	Govt. Buildings	18	1271.98
	Total	244	8266.21 (i.e. 36.05%)

PHOTOGRAPHS



Safety Measures taken at site during execution of work



G.I. sheet barricading

LOCATION:- CH. 1/650 TO 1/850 LHS

M. S. Sheet Barricading



M.S. sheet barricading

Safety Measures taken at site during execution of work



Caution Boards



Caution Boards

Cntd....PHOTOGRAPHS



Bed preparation prior
to start Subgrade
Ch. 0/330 to 0/480 RHS

Sub grade completed stretch
Ch. 10/ 250 RHS

GSB for bus lane
Ch. 10/300 LHS



DLC Laying

PQC laying

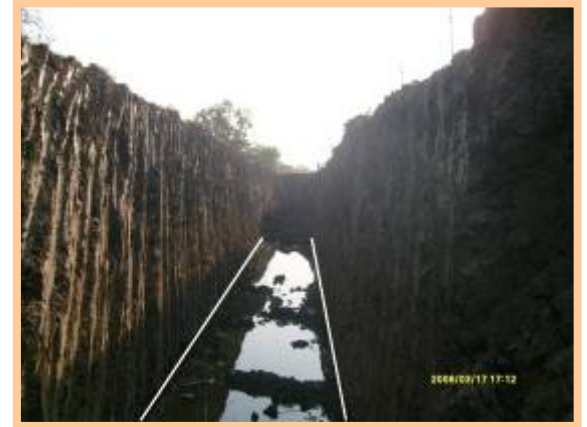
Cntd....PHOTOGRAPHS



**D L C for Bus Lane
Ch. 10/250 RHS**



**Bed preparation for concrete
bedding for pipe culvert
at Ch. 0/801 RHS**



**Deep Trench excavation
For laying of Sewer main
trunk line
Ch. 9/450 LHS**

Cntd....PHOTOGRAPHS



**Pre-cast tiles for
electrical work
Work is in progress
at base camp**



**Trench excavation
For laying of underground
Electrical cable
Ch. 0/220 to 0/320 RHS**



**laboratory
at Base Camp**

Cntd....PHOTOGRAPHS



Three edge bearing test conducted for 1600 mm dia NP-4 class sewer pipe, dia reading showing load for 0.25 mm crack test

Weight for steel cage to be use for 1600 mm dia RCC NP-4 class Sewer pipe

Weight for steel cage to be use for 450 mm dia RCC NP-4 class Sewer pipe

Probable date of completion (Section wise)

Sr. No.	Section	Probable date of completion
1	Niranjanpur to Vijay Nagar Square	Dec. 2009
2	Vijay Nagar Square to LIG Triangle	March 2010
3	LIG Triangle to Navlakha Square	June 2010
4	Navlakha Square to Bhawarkua Square	Jan. 2010
5	Bhawarkua Square to Rajiv Gandhi Square	Oct. 2009

THANK YOU



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