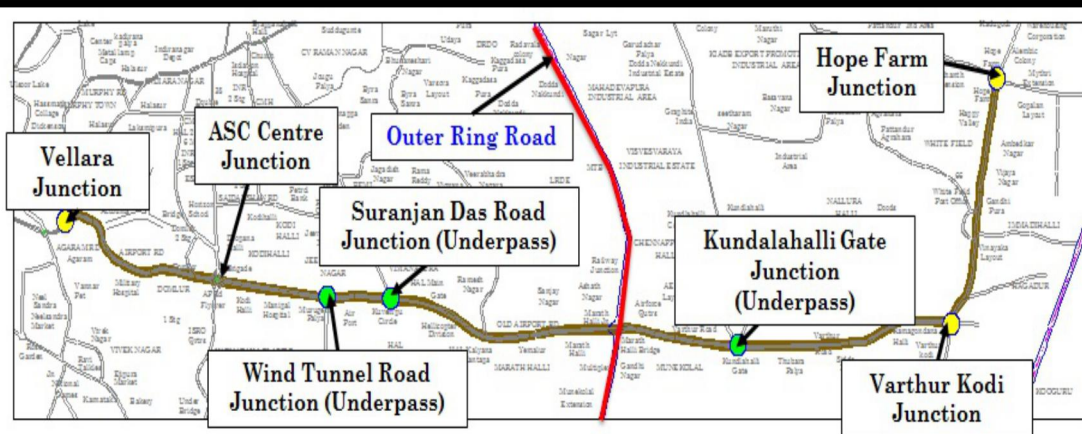




BRUHAT BANGALORE MAHANAGARA PALIKE

CONSTRUCTION OF SIGNAL FREE CORRIDOR
ALONG IDENTIFIED STRETCHES OF ROAD
FROM VELLARA JUNCTION TO HOPE FARM
JUNCTION (VIA OLD AIRPORT ROAD,
KUNDALAHALLI AND WHITEFIELD) IN
BANGALORE CITY

BRIEF NOTE



Total Length of the Project Corridor (from ASC Centre Junction to Hope Farm Junction): 17.5 Km.

AGENCY: M/s RNS Infrastructure Limited

PMC/Proof Consultant: M/s Manasa Consultants

PROJECT DETAILS:

1	NAME OF THE PROJECT	Construction of Signal Free Corridor along Identified Stretches of Road from Vellara Junction to Hope Farm Junction (via Old Airport Road, Kundalahalli and Whitefield) in Bangalore City
2	CLIENT	Bruhath Bengaluru Mahanagara Palike
3	CONTRACTOR	M/s RNS Infrastructure Limited
4	PROOF CONSULTANT & PROJECT MANAGEMENT CONSULTANT	M/s Manasa Consultants
5	PROJECT ESTIMATE COST	Rs. 135.25 Crores
6	REVISED ESTIMAT COST	Rs. 150.50 Crores
7	DATE OF ISSUE OF WORK ORDER	19.02.2014
8	DATE OF HANDING OVER OF SITE BY BBMP	19.02.2014
9	CONTRACT PERIOD	18 Months
9	CONTRACT COMPLETION DATE	<i>31.03.2021</i>

The proposal for corridor improvement of 17.50 Kms (Completed in Jan-2020) from ASC Centre to Hope Farm Junction & Underpass at 3 major junctions as below:

Wind tunnel road junction	- 4 lanes divided bidirectional underpass
Suranjandas road junction	- 4 lanes divided bidirectional underpass
Kundalahalli Gate junction	- 4 lanes divided bidirectional underpass

SALIENT FEATURES OF THE UNDERPASS

1. UNDERPASS AT WIND TUNNEL ROAD JUNCTION

SL.No	DESCRIPTIONS	DETAILS
1	Total Length of Underpass	298.27m
2	No of Lanes	4-lanes divided bi directional
3	Width of carriage way	2 x 7.50m
4	Vertical Clearance	4.50m
5	Ruling gradient	5% (1 in 20)
6	Length of covered portion	50.00m
7	Length of Approach Ramp towards Manipal junction	174.04m
8	Length of Ramp towards Suranjandas road junction	74.23m
9	Width of Service road at Grade level	3.50m on either side
10	Width of footpath at grade level	1.50m on either side
11	Land acquisition	1621.37 sqm

2. UNDERPASS AT SURANJANDAS ROAD JUNCTION

SL.No	DESCRIPTIONS	DETAILS
1	Total Length of Underpass	267.26m
2	No of Lanes	4lanes divided bi directional
3	Width of carriage way	2 x 7.50m
4	Vertical Clearance	4.50m
5	Ruling gradient	5% (1 in 20)
6	Length of covered portion	50.00m
7	Length of Approach Ramp towards Wind Tunnel Road junction	86.61m
8	Length of Ramp towards Marathahalli junction	130.65m
9	Width of Service road at Grade level	5.50m on either side
10	Width of footpath at grade level	2.50m on either side
11	Land acquisition	3100 sqm

3. UNDERPASS AT KUNDALAHALLI GATE JUNCTION

SL.No	DESCRIPTIONS	DETAILS
1	Total Length of Underpass	281.47m
2	No of Lanes	4lanes divided bi directional
3	Width of carriage way	2 x 7.50m
4	Vertical Clearance	5.50m
5	Ruling gradient	5% (1 in 20)
6	Length of covered portion	50.00m
7	Length of Approach Ramp towards Marathahalli junction	96.26m
8	Length of Ramp towards Varthur Kodi	135.21m
9	Width of Service road at Grade level	7.50m on either side
10	Width of footpath at grade level	2.50m on either side
11	Land acquisition for Service road a) For 5m Service road b) increase the width from 5m to 10m	2578 sqm 3126.6 sqm

PHYSICAL PROGRESS & FINANCIAL PROGRESS As ON 30-11-2020

Underpass works.					
Sl.No.	LOCATION	PHYSICAL PROGRESS	FINANCIAL PROGRESS	FINANCIAL PROGRESS (Rs in crores)	REVISED COST OF WORK (Rs in crores)
1	Wind tunnel road Underpass	55%	53.96%	Rs. 10.25 Cr	Rs. 19.00 Cr
2	Suranjandas road Underpass	57%	56.76%	Rs. 10.78 Cr	Rs. 19.00 Cr
3	Kundalahalli Gate Underpass	65%	70%	Rs. 12.06 Cr	Rs. 19.50 Cr

STATUS OF WORK AS ON 30-11-2020

Wind tunnel road Underpass

- The concrete elements required for underpass at Wind tunnel Junction is casted & ready for installation/Stitching.
- Compound wall construction Completed for ISRO.
- Traffic Diversion permission given on 27-08-2018.
- Shifting of BWSSB, BESCOM & KPTCL utilities is completed in LHS and to be taken in RHS.
- Construction of Retaining Wall completed in LHS, service road work is nearing completion.
- Retaining wall at RHS will be started after shifting of BWSSB & BESCOM utilities at RHS.

Suranjandas road Underpass

- The concrete elements required for underpass at Wind tunnel Junction is casted & ready for installation/Stitching.
- Shifting of BWSSB, BESCOM utilities is completed in RHS and to be taken in LHS.
- Construction of Retaining Wall & Service road completed in RHS.
- Retaining wall at RHS will be started after translocate / removal of 32 trees.

Kundalahalli Gate Underpass

- The concrete elements required for underpass at Wind tunnel Junction is casted.
- Shifting of BWSSB, BESCOM utilities is completed in both RHS & LHS.
- Construction of Retaining Wall & 5m wide Service road completed in RHS and LHS towards varthur kodi. Construction of 5m Service road in LHS towards Marathahalli junction is in progress.
- Installation of Precast box elements for central box portion will be commenced after land acquisition, construction of 10m service road & Traffic Diversion permission.

Constraints/Reasons for delay

- Delay due to Land Acquisition.
- Delay due to BWSSB pipe line work.
- Tree cutting pending with forest cell.
- Delay due to 220KV KPTCL cable shifting issue.
- Delay due to additional works amounting to Rs. 39.18 Crores.
- Revised estimate proposal for Rs. 150.50Crores has been submitted to govt on 24-03-2020. Approval awaited.

Wind tunnel road Underpass issues.

- Presence of 220KV KPTCL power cables. Cable & Joint kit is procured from Korea. Request to KPTCL to shift the cables is pending since Oct-2019 and the work is completed in February-2020.
- ISRO authorities insisting for 6.0m service road for their trailer movement.
- Meeting under Chairmanship of Hon Commissioner with both NAL & ISRO is held on 03.01.2020. NAL has agreed to hand over additional land of 390 Sq m for service road. NAL requested for issuing TDR which is under process. ISRO has agreed to handover the land after the necessary approvals from Head office. The work is resumed from 25-02-2020

Suranjandas road Underpass issues

- Total of 32 trees has to be removed by forest cell after inspection of Committee formed as per the direction of Hon. High Court.
- Tree committee inspected the trees & suggested to translocate 7 out of 32 trees. HAL agreed to permit translocation of trees in their land; accordingly action is in process from DCF, BBMP.
- After translocation of trees, DCF has to take action to remove the 25 trees.

Kundalahalli Gate Underpass issues

- As per the instructions of Hon'ble Chief Minister during city rounds on 08.9.2019 to increase the width of service road from 5.00m to 10.00m, Rate negotiation meeting under the Chairmanship of Sp. Commissioner (Pr) with Land Owners is held on 03.01.2020, but owners didn't agree Rate of (Present Guidance Value x 1.633) but are demanding 3 times the Guidance value.
- 2nd meeting with owners held on 24th Feb-2020 & rate of 2 times the guidance the value is decided. 27 owners have given the acceptance letters. Land acquisition is under process at the office of JC Mahadevapura and DC (LAQ & TDR).
- BMTC is advised to reroute the buses from Kundalahalli junction to Whitefield main road.
- Ward committee agreed to traffic closure and diversion upto 3 months for installation of precast box elements for central covered portion of underpass.