



BRUHAT BANGALORE MAHANAGARA PALIKE

CONSTRUCTION OF GRADE SEPARATORS ALONG WEST OF CHORD ROAD BANGALORE

BRIEF NOTE



AGENCY: M/s. M. Venkata Rao Infra Projects Pvt.Ltd.

PMC/Proof Consultant: M/s. Shrikhande Consultants Pvt.Ltd.

PROJECT DETAILS:

1	NAME OF THE PROJECT	Construction of Grade Separators along West of Chord Road - Bangalore
2	CLIENT	Bruhat Bengaluru Mahanagara Palike
3	CONTRACTOR	M/s M.VenkataRao Infra projects Pvt Ltd
4	PROOF CONSULTANT & PROJECT MANAGEMENT CONSULTANT	M/s Shrikhande Consultants Pvt. Ltd
5	CONTRACT VALUE	RS. 145.78 Crores
6	DATE OF ISSUE OF WORK ORDER	14.03.2016 26.03.2018 (FOR SHIVANAGARA FLYOVER) 30.07.2020 (FOR INTGD FLYOVER AT 72 ND CROSS)
7	DATE OF HANDING OVER OF SITE BY BBMP	18.03.2016 26.03.2018 (FOR SHIVANAGARA FLYOVER) 30.07.2020 (FOR INTGD FLYOVER AT 72 ND CROSS)
8	CONTRACT PERIOD FOR SHIVANAGARA FLYOVER FOR 72 ND CROSS FLYOVER	18 Months (Including monsoon period) 12 Months (Including monsoon period)
9	CONTRACT COMPLETION DATE	28.02.2021 (FOR SHIVANAGARA) 29.07.2021 (FOR 72 ND CROSS)

SALIENT FEATURES OF THE PROJECT:

1. Basaveshwara Nagar 1st Main Road Junction:

SL.No	DESCRIPTIONS	DETAILS
1	Total Length of Flyover	354.414m
2	Number of Lane	2 lanes (unidirectional)
3	Carriageway Width	7.5m
4	Length of Obligatory Span	30.00m
5	Length of Standard Span	20.00m
6	Vertical Clearance	4.5m
7	Ruling Gradient	5% (1 in 20)
8	Length of Viaduct towards Shivanagar 1st Main Road Junction	20.00m
9	Length of Viaduct towards Chord Road – Magadi Road Junction	40.00m
10	Length of Solid Ramp towards Shivanagar 1st Main Road Junction	85.90m
11	Length of Solid Ramp towards Chord Road – Magadi Road Junction	178.513m

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SL.No	DESCRIPTIONS	DETAILS
1	Total Length of Flyover	654.686m
2	Number of Lane	4 lanes divided Bi- directional
3	Carriageway Width	7.5m
4	Length of Obligatory Span(2 no's)	60.00m
5	Length of Standard Span	5 no's-20.00m 11 no's-21.00m
6	Vertical Clearance	4.5m
7	Ruling Gradient	5% (1 in 20)
8	Length of Viaduct towards Basaveshwar nagara 1 st Main Road Junction	40.00m

8th Main Road Junction and 1st Main Road Junction:

9	Length of Viaduct Integrated portion	231.00m
10	Length of Viaduct towards Manjunath nagara main Road Junction	60.00m
11	Length of Solid Ramp towards Basaveshwar nagara 1 st Main Road Junction	155.910m
12	Length of Solid Ramp towards Manjunath nagara main Road Junction	107.776m

3. Integrated Flyover at 72nd Cross Industrial town Junction

SL.No	DESCRIPTIONS	DETAILS
1	Total Length of Flyover	396.838m
2	Number of Lane	4 lanes divided Bi- directional
3	Carriageway Width	2 x 7.5m
4	Length of Obligatory Span	30.00m
5	Length of Standard Span	40.00m
6	Vertical Clearance	4.5m
7	Ruling Gradient	5% (1 in 20)
8	Length of Viaduct towards Basaveshwar nagar Junction	20.00m
9	Length of Viaduct towards Chord Road – Magadi Road Junction	20.00m
10	Length of Solid Ramp toward Basaveshwar Nagar Junction	142.745m
11	Length of Solid Ramp towards Chord Road – Magadi Road Junction	184.093m

4. Manjunath Nagar Main Road Junction:

SL.No	DESCRIPTIONS	DETAILS
1	Total Length of Flyover	270.638m
2	Number of Lane	4 lanes divided Bi- directional
3	Carriageway Width	7.5m X 2nos
4	Length of Obligatory Span	30.00m
5	Length of Standard Span	20.00m
6	Vertical Clearance	4.5m
7	Ruling Gradient	5% (1 in 20)
8	Length of Viaduct towards Shivanagar 8th Main Road Junction	20.00m

9	Length of Viaduct towards Modi Hospital Junction	20.00m
10	Length of Solid Ramp towards Shivanagar 8th Main Road Junction	102.018m
11	Length of Solid Ramp towards Modi Hospital Junction	98.62m

- **Manjunathnagara Flyover opened for traffic on 27.08.2018**

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

**Construction of Grade separators along West of Chord Road - Bangalore.
On Turnkey Basis.**

Sl.No.	LOCATION	PHYSICAL PROGRESS as on 03.12.2020	FINANCIAL PROGRESS as on 03.12.2020	FINANCIAL PROGRESS as on 03.12.2020	COST OF WORK
1	BasaveshwarNagar	82.76 %	81.72 %	Rs.17,90,48,520.00	21.91 Crores
2	ShivaNagar	74.99 %	72.02 %	Rs.51,87,95,850.00	71.98 Crores
3	ManjunathNagar	100.00 %	95.60 %	Rs.17,38,00,800.00	18.18 Crores
4	Integrated Flyover at 72nd Cross	37.85 %	25.39 %	Rs.8,55,89,690.00	33.71 Crores
	OVERALL PERCENTAGE OF PROGRESS	71.00 %	65.66 %	Rs.95,72,34,860.00	145.78 Crores

STATUS OF WORK AS ON 30-11-2020

1.Manjunath nagar :

- a. Flyover work is completed and opened for traffic from 27.08.2018.

2. SHIVANAGAR:

- a. Footing – out of 19 Footings 19 Nos have been completed.
- b. Piers - out of 19 Piers 19 Nos have been completed.
- c. Pier Caps - out of 19 Pier caps 19 Nos have been completed.
- d. RCC Girders - Out of 96 Girders 96 Nos have been completed.
- e. PSC Girders - Out of 20 Girders 20 Nos have been completed.
- f. Diaphragms – Out of 36 Diaphragms 32 Nos have been completed.
- g. Deck slab- Out of 18 Deck slabs 15 Nos have been completed.
- h. Reinforcement for Deck slab of P14-P15 span is in progress.
- i. Preparation for expansion joint work in progress.

3. BASAVESHWAR NAGAR:

- a. Bridge portion is completed.
- b. The work was stopped since June 2018 for integrating the By- directional Flyover at 72nd cross.

4. INTEGRATED FLYOVER AT 72ND CROSS:

- a. All footings are completed. (4 out of 4).
- b. All Piers are completed. (4 out of 4).
- c. All Piers caps are completed. (4 out of 4)..
- d. RCC Girders - Out of 12 Girders 05 Nos have been completed
- e. Reinforcement for RC girder is in progress.
- f. Reinforcement for PSC girder is in progress.
- g. PCC for culvert near AP2 is done.

Constraints/Reasons for delay

- a. Delay due to change in scope from integrated underpass to Integrated Flyover at Shivanagar. The Underpass Work was started and stopped from September 2016.
- b. Non availability of casting yard nearby site area. Total 116 nos of girders have been casted at the site itself by diverting the traffic partially. Although KPTCL has accepted to handover 6-Acres of land for casting of Girders, the same land was under court case. The C.S has directed to maintain statuesque.
- c. Delay in land acquisition near KPTCL/BESCOM.
- d. Delay in cutting of trees.