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Kaaludaari Bengaluru - A walkable city

BACKGROUND

During the last few years there have been attempts to improve pedestrian facilities in some areas through a few projects. But compared to the scale of the need, these are too small. Also, while such projects can bring some relief to a few areas, we need a much stronger imagination for the whole city. Critically, we need a network for walkability to be created, so that significant stretches of movement on foot become possible.
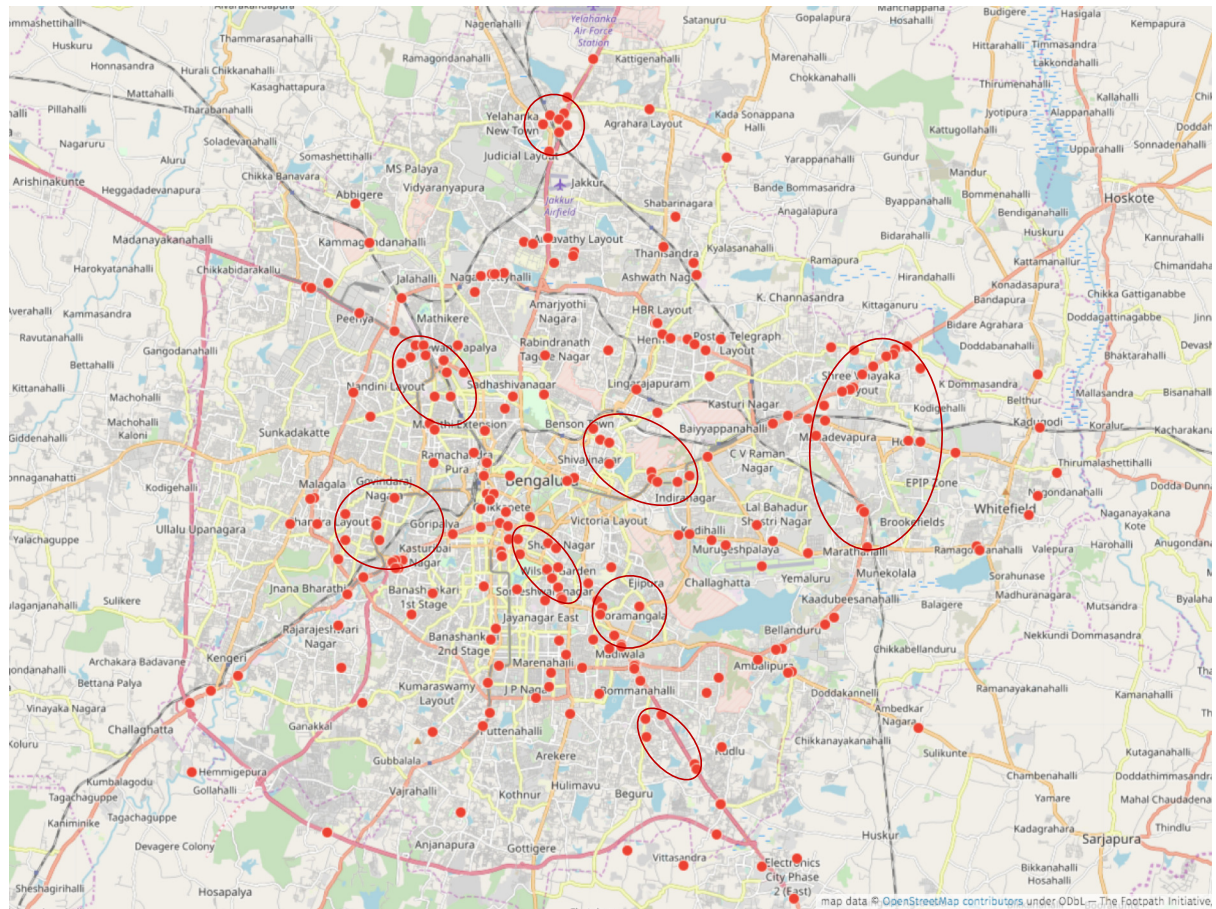
Ideally, over time we should develop 1500 roads across the city to be pedestrian friendly. However, it is important to consider the cost of such a large effort too. Therefore, the most important of these (List A) will be built to higher specifications than the rest and be taken up first. This proposal, under the name Kaaludaari Bengaluru: A fully walkable city", lists several clusters of such road networks, which could form the backbone of larger efforts to bring easy pedestrian movement to all areas.

CLUSTER IDENTIFICATION
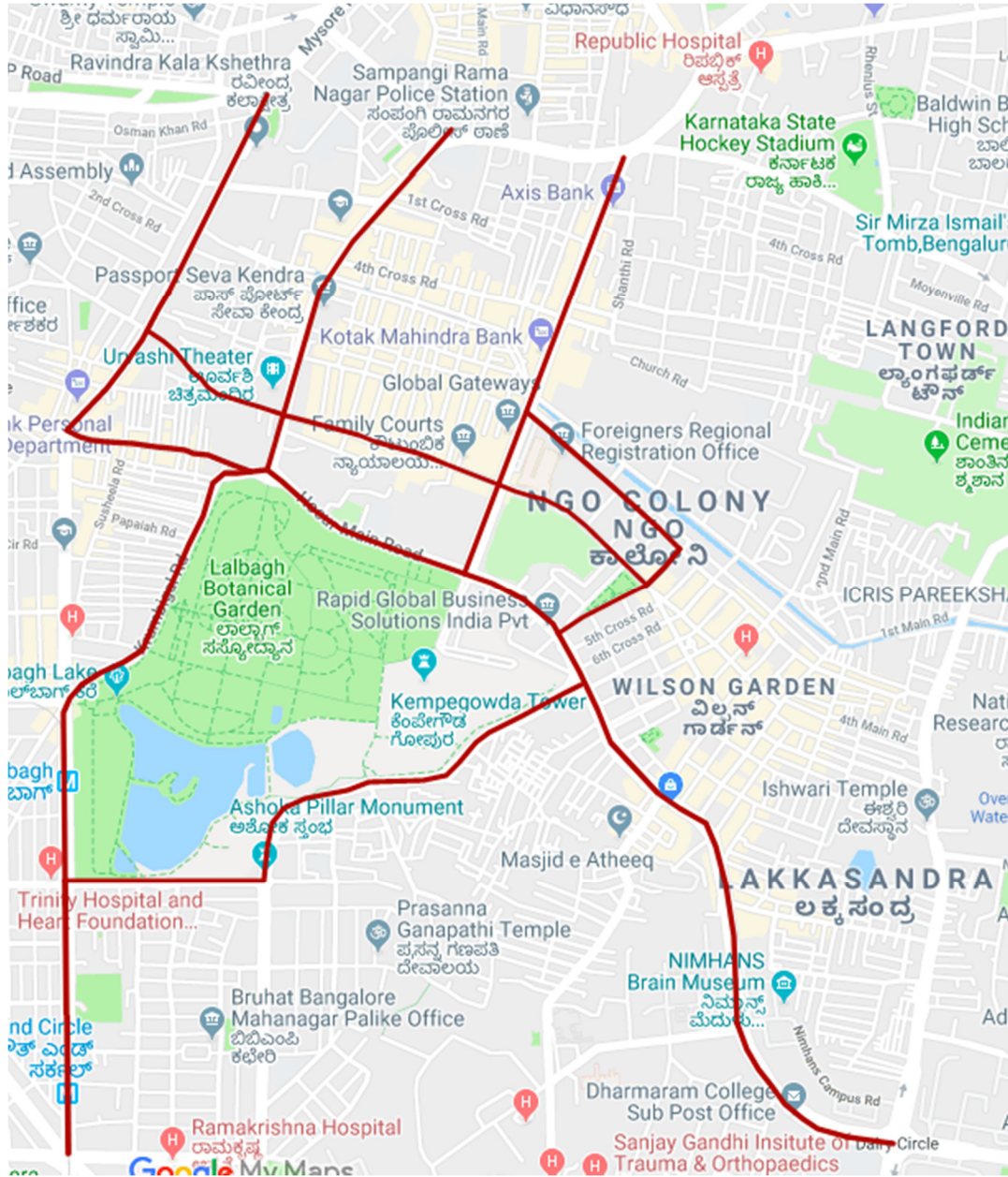
Parameters for Identification

1. **Crash hot spots:** Pockets that have witnessed comparatively higher number of pedestrian deaths have been chosen. The crash data has been extracted from an independent study, which can be accessed here: http://umap.openstreetmap.fr/en/map/untitled-map_286214#15/12.9279/77.6185

2. **Land-use:** Areas with commercial and mixed land-use with landmarks, commercial establishments, educational institutions have been identified as these areas attract a high number of pedestrians**.** Providing sufficiently wide footpaths and safe crossings in these areas could help retain the current pedestrian activity and potentially attract more pedestrians to use the roads.

3. **Transit access:** Areas around BMTC bus stops and metro stations, which see a high footfall of pedestrians, have been given priority while choosing the clusters. Creating bus bays and pedestrian & NMT infrastructure along these roads can provide easy and safe access to transit users.

4. **Traffic circulation and intersection design:** The clusters were chosen to cover some busy intersections which become choke points during heavy traffic conditions. The intersection design can be improved to allow for smooth, regulated flow of traffic.

5. **Current or planned projects:** Clusters which have already been identified for TenderSure upgrade in the current budget cycle have been excluded. For example, the Majestic area has been excluded as this has already been identified for TenderSure upgrade.
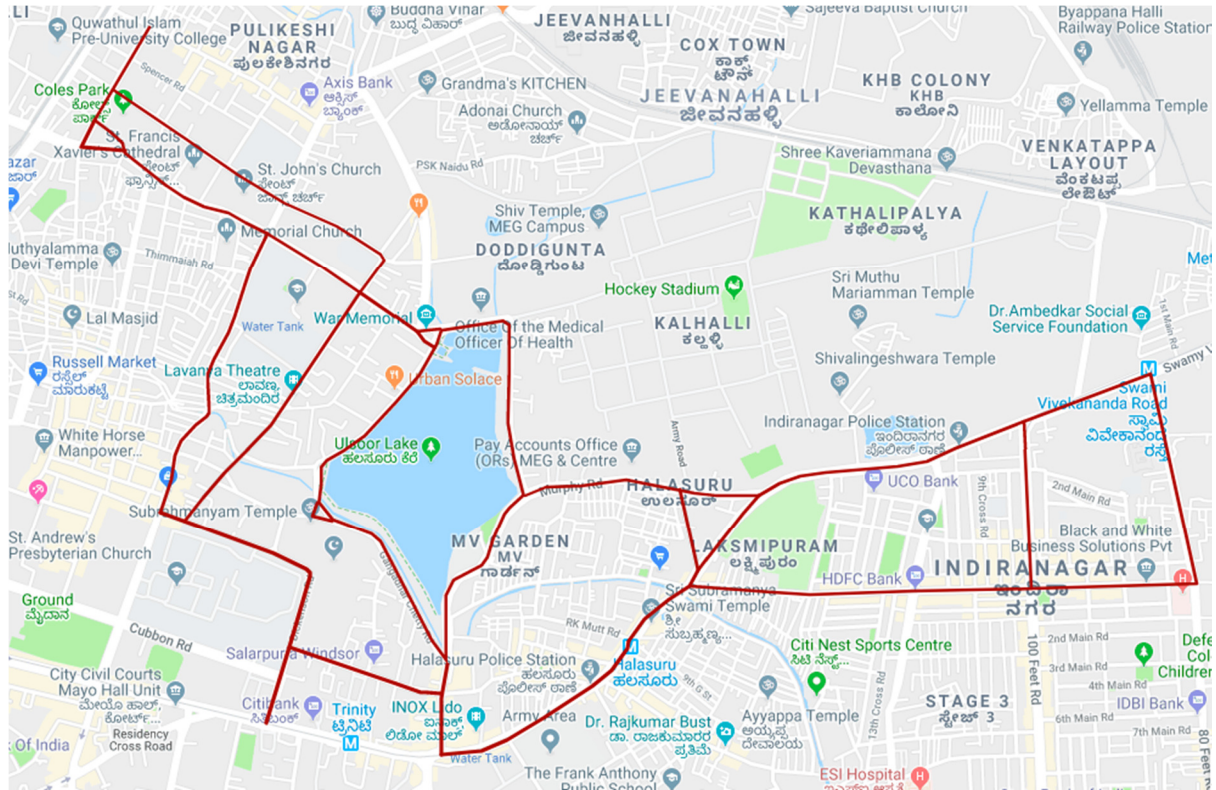
Pedestrian Crash Spots in 2017 (8 clusters highlighted)

Lal Bagh – Shanthinagar

Cluster Road Length: 13.9 km

1. KH Road (1.26 km): from KH Circle to Mission Road
2. Lal Bagh Main Road (1.12 km): from Lal Bagh Main Gate to Subbaiah Circle
3. J C Road (1.6 km): from Lal Bagh fort road to Mysore Road
4. Siddaiah Road (1.6 km): from JC Road Junction to 4th Cross Road
5. Lal Bagh Fort Road (570 m): from Lal Bagh Main Gate to J C Road
6. Hosur Road (2.82 km): from Dairy Circle to Lal Bagh Main Gate
7. Rashtreeya Vidyalaya Road (1.3 km): from south End Circle to Lal Bagh West Gate
8. Krumbigal Road (980 m): from Lal Bagh West Gate to Lal Bagh Main Gate
9. Kanakapalya Main Road (560 m): from Teachers Circle to Ashoka Pillar
10. Siddapura Road (1.2 km): from Ashoka Pillar to Hosur Road
11. 4th Cross Road (330 m): from Hosur Road to BTS Main Road

12. BTS Main Road (580 m): from KH Road to 4th Cross Road
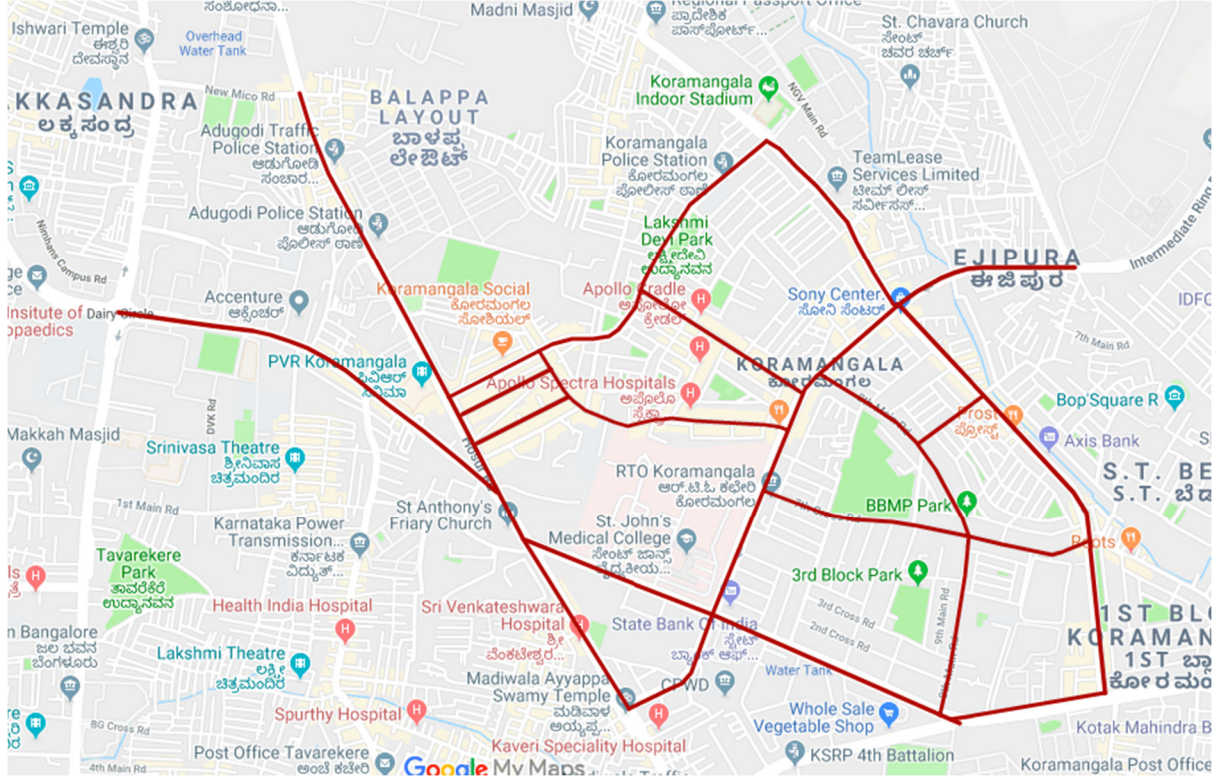
Indiranagar – Ulsoor

Cluster Road Length: 19 km

1. Swami Vivekananda Road (3.2 km): from Kensington Road to Swami Vivekananda Road Metro Station
2. Chinmaya Hospital Mission Road (1.9 km): from Swamy Vivekananda Road to 80 feet Road
3. 100 Feet Road (650 m): from Chinmaya Mission Hospital Road to Swami Vivekananda Road
4. 80 feet Road (820 m): from Swami Vivekananda Metro Station to Chinmaya Hospital Mission Road
5. Thamarai Kannan Road (320 m)
6. Bhaskaran Road (2 km): from MG Road to Swamy Vivekananda Road
7. Gangadhar Chetty Road (810 m): from Thiruvalluvar Statue to Murphy Road
8. Kensington Road (1.3 km): from Murphy Road to St. Johns Church Road
9. St. Johns Church (2.3 km): from Dickensen Road to Millers Road
10. Kamaraj Road (1.2 km)
11. Dickensen Road (1.2 km)
12. Haines Road (520 m)
13. Promenade Road (1.4 km)
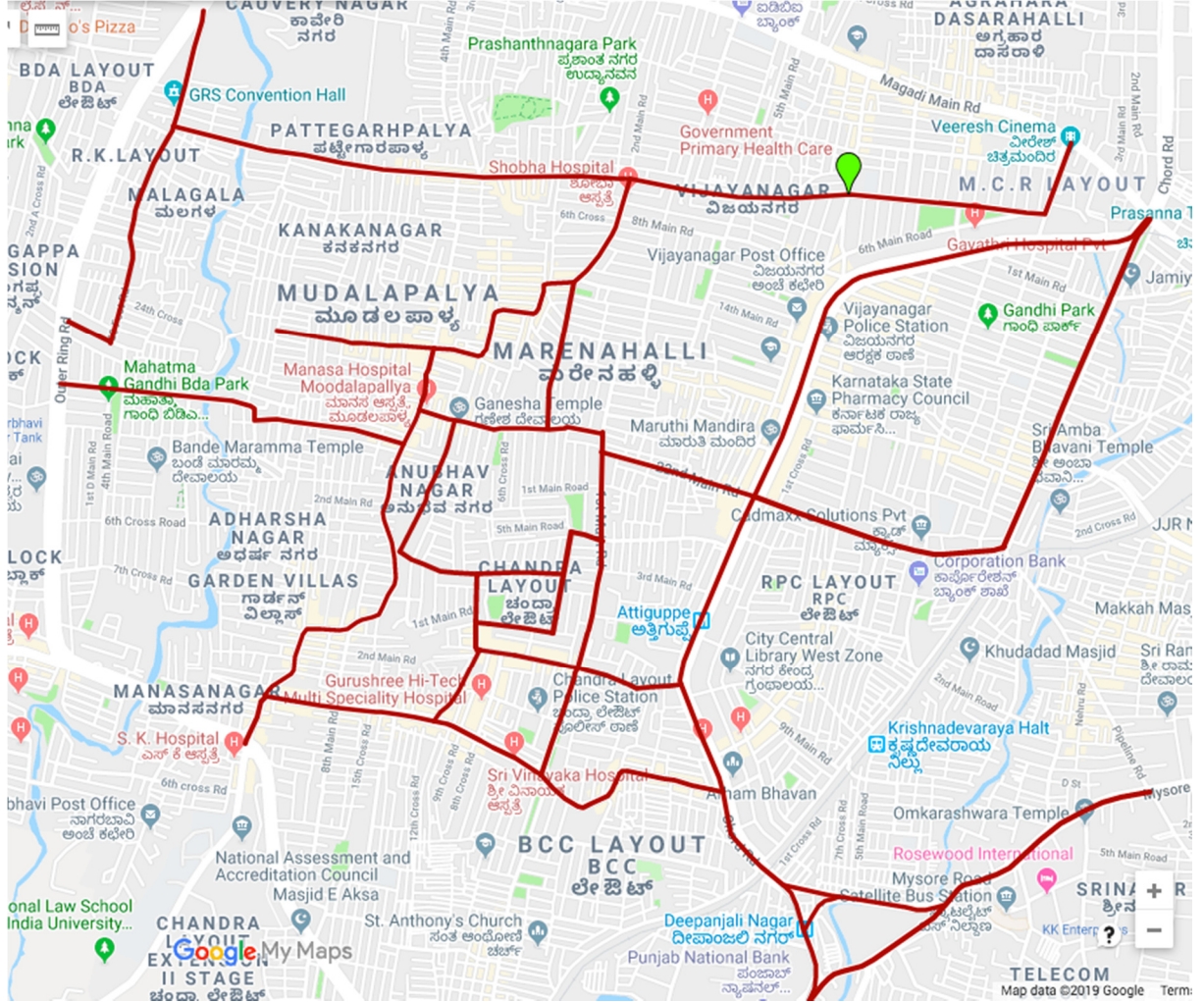14. Ulsoor Road (610 m)
15. Annaswamy Muralidhar Road (850 m)

Koramangala

Cluster Road Length: 16 km

1. Hosur Road (2.5 km): from Madiwala Junction to New Mico Road
2. Hosur Road (1.5 km): from St Anthony's Church junction to Dairy Circle
3. Sarjapur Road (2.2 km): from St. John's Junction to 80 feet road
4. Srinivagilu Main Road (2.3 km): from Sarjapur Main road to HP World Junction
5. Intermediate Ring Road (2.4 km): from Madiwala Junction to Ejipura Junction
6. 8th Main Road (1.4 km): from Sarjapur Road to Intemediate Ring Road
7. 7th Cross Road (1.2 km): from Srinvagilu Main Road to Intemediate Ring Road
8. 12th Main Road (286 m): from 8th Main Road to Srinvagilu Main Road
9. 5th Cross Road (680 m): from Ganapathi Temple Road to Intemediate Ring Road
10. Krishna Temple Road (1 km): from Ganapathi Temple Road to Intemediate Ring Road
11. 1st Main Road (350 m): from Hosur Road to Krishna Temple Road
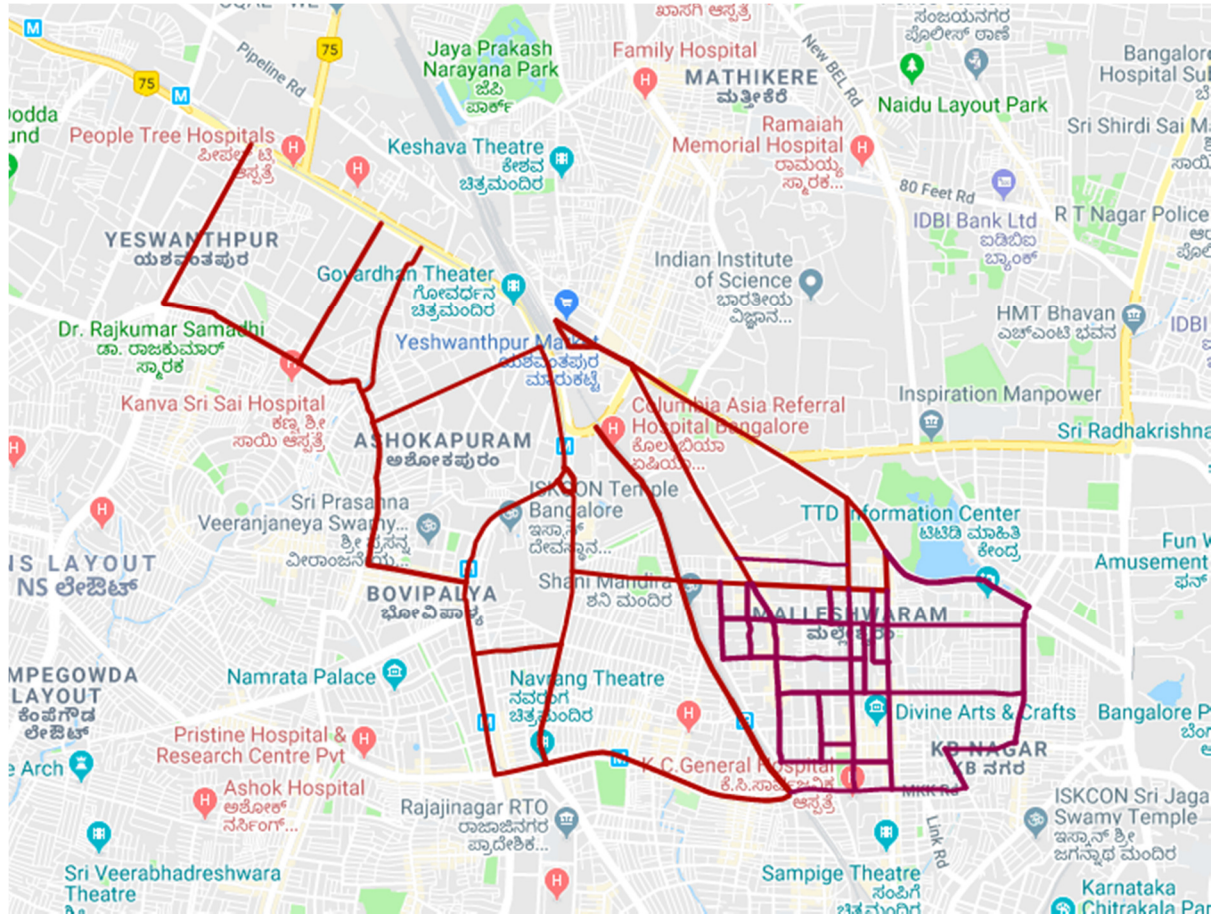12. 4th B Cross Road (350 m): from Hosur Road to Krishna Temple Road

Vijayanagar

Cluster Road Length: 25 km

1. Chord Road (3.8 km): from Mysore Road to Magadi Road
2. Mysore Road (1.4km): from Chord Road to Pipeline Road
3. Krishnadevaraya Road (1.2 km): from Pipeline Road to Chord Road
4. 5th Main Road (926 m): from Chord Road to Krishnadevaraya Road
5. 22nd Main Road (560 m): from 1st Main Road to Chord Road
6. 1st Main Road (850 m): from Chandra Layout Main Road to GKW Main Road
7. Chandra Layout Main Road (720 m): from Chandra Layout Park to Chord Road
8. 2nd Cross Road (400 m): from Chandra Layout Main Road to 80 feet Road
9. 10th Cross Road (300 m): from Chandra Layout Main Road to 80 feet Road
10. 14th Main Road (760 m): from 2nd Cross Road to Chord Road
11. 80 feet Road (1 km): from 2nd Cross Road to Nagarbhavi Main Road
12. Canara Bank Colony Road (370 m): from Chandra Layout Main Road to 4th Cross Road
13. 8th Cross Road (170 m): from Canara Bank Colony Road to 4th Main Road
14. 4th Cross Road (470 m): from Canara Bank Colony Road to 1st Main Road
15. 4th main Road (600 m): 1st Cross Road and 4th Cross Road
16. 1st Cross Road (170 m): from 9th Main Road to 4th main Road

17. 4th ross Road (340 m): from 9th Main Road to GKW Main Road
18. Shivanand Maibn Road/ GKW Main Road (660 m): from 1st Main Road to Moodalpalya Main Road
19. Saraswathi Nagar Main Road (530 m): from GKW Main Road to Nagarbhavi Main Road
20. Nagarbhavi Main Road (3.6 km): from Outer Ring Road to 5th Main Road
21. 5th Main Road (1.5 km): from Nagarbhavi Main Road and 17th Cross Road Junction to 1st Cross Road
22. 1st Cross Road (270 m): from 5th Main Road to Magadi Main Road
23. 3rd Main Road (1.2 km): from Outer Ring Road to Nagarbhavi main Road
24. Manjunath Talkies Road (560 m)
25. Pategarpalya Road (1.6 km) from Malagala Main Road to Nagarbhavi Main Road
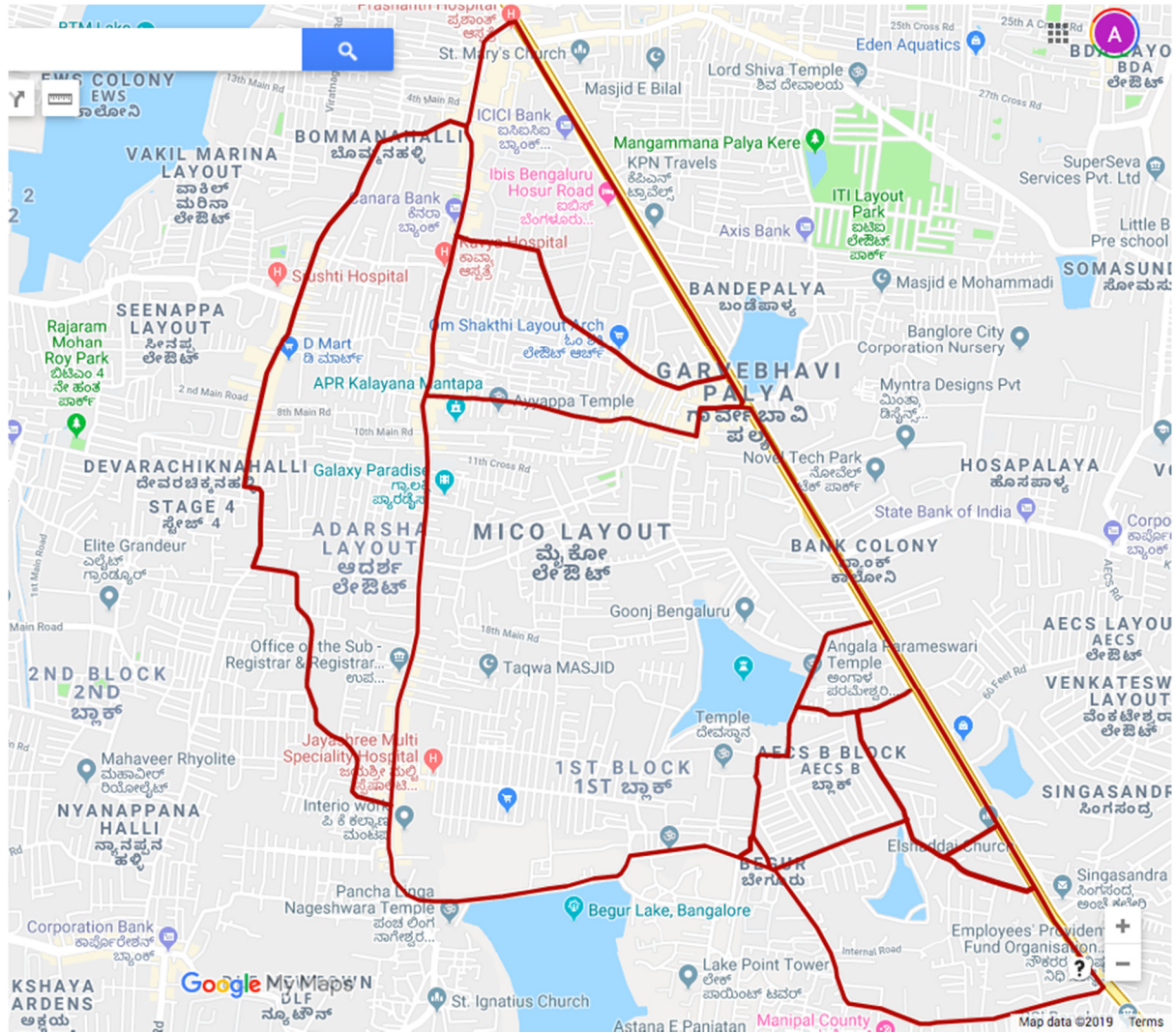26. Malagala Main Road (1.3 km)

Yeshwanthpur and Malleswaram

Cluster Road Length: 30 km

1. Outer Ring Road (1 km): from Tumkur Road to Kanteerava Studio Main Road
2. Kanteerava Studio Main Road (1.2 km): from Outer Ring Road to Shankar Nagar Main Road
3. Shankar Nagar Main Road (700 m): from Kanteerava Studio Main Road to 7th Main Road
4. 7th Main Road (380 m): from Shankar Nagar Main Road to 12th Cross Road
5. 12th Cross Road (580 m): from 7th Main Road to Chord Road
6. Chord Road (2.7 km): from MKK Road to MEC Road
7. Dr. Rajkumar Road (1.6 km): from MKK Raod to Chord Road
8. 1st Main Road (2.4 km): from MKK Road to Tumkur Road
9. 8th Main Road (1 km): from Tumkur Road to 17th Cross Road
10. 17th Cross Road (1.8 km): from Dr. Rajkumar Road to Sampige Road
11. CV Raman Road (1.1 km): from Yeshwantpur circle to CV Raman underpass
12. Margosa Road (1.7 km): from Sankey Road to MKK Road
13. Sampige Road (1.3 km): from Sankey Road to MKK Road
14. Sankey Road (1.7 km): from CV Raman underpass to Bhashyam Circle
15. Vyalikaval Main Road/ 2nd Main Road (1.2 km): from Sankey Road to Pipeline Road
16. Dattatreya Temple Street (252 m): from 2nd Main Road to MKK Road
17. MKK Road (2.7 km): from Chord Road to 1st Main Road to Dattatreya Temple Street
18. 11th Cross Road (1.4 km): from 8th Main Road to 2nd Main Road
19. 8th Main Road (1 km): from 17th Cross Road to 7th Cross Road
20. 7th Cross Road (630 m): from 8th Main Road to Sampige Road
21. 5th Main Road (400 m): from 11th Cross Road to 7th Cross Road

22. 8th Cross Road (180 m): from 5th Main Road to Margosa Road
23. 13th Cross Road (820 m): from 11th Main Road to W Park Road
24. 11th Main Road (440 m): from 17th Cross Road to 13th Cross Road
25. 5th Cross Road (960 m): from 11th Main Road to 2nd Main Road
26. 18th Cross Road (650 m): from 8th Main Road to Margosa Road
27. E Park Road (500 m): 17th Cross Road to Sampige Road
28. W Park Road (400 m): from 5th Cross Road to 11th Cross Road
29. 10th Main Road (430 m): from 17th Cross Road to 13th Cross Road
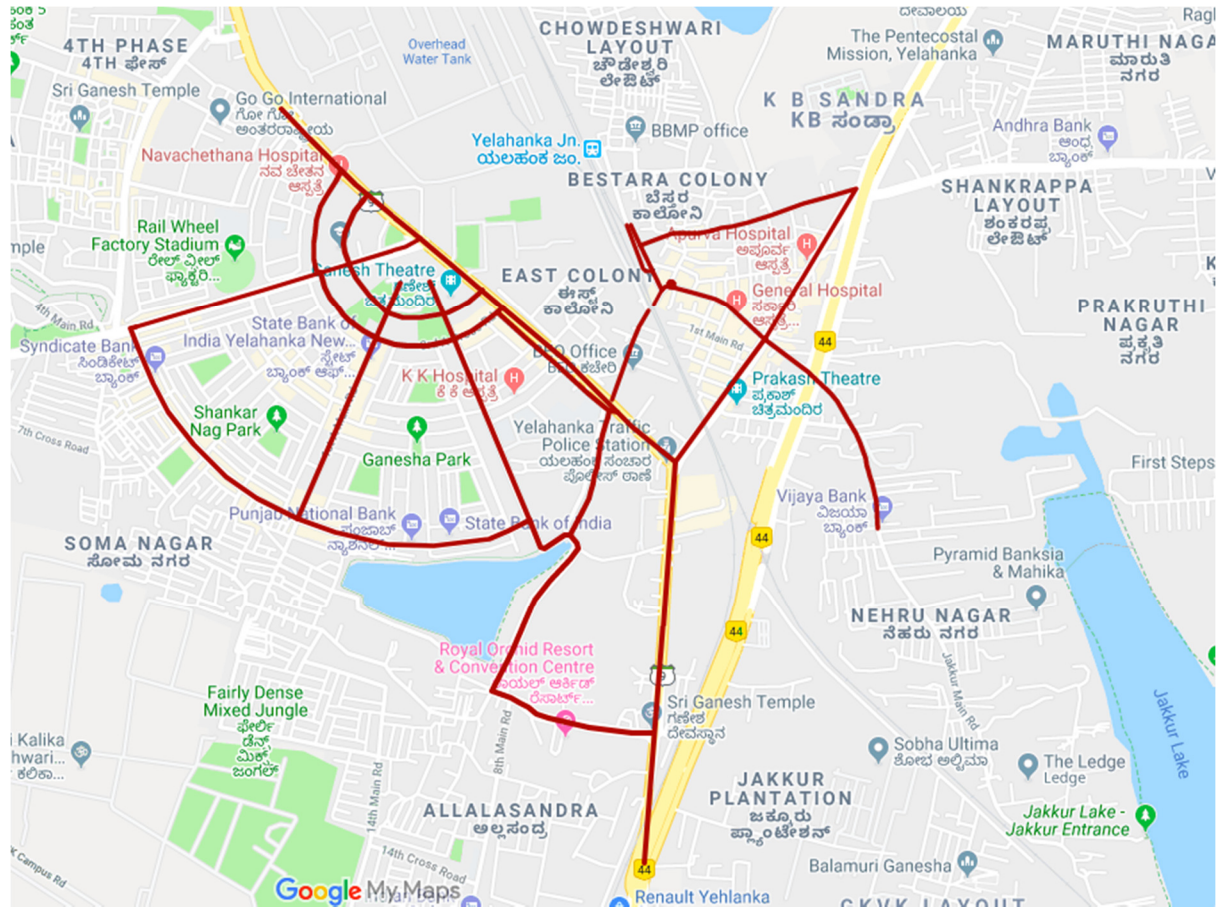30. 4th Main Road (200 m): from 17th Cross Road to 5th Cross Road

Begur and Bommanahalli

Cluster Road Length: 18 km

1. Hosur Road (4.2 km): from Begur Main Road to Manipal County Road
2. Begur Main Road (3.4 km): from Hosure Road to begur Lake Road
3. Begur Lake Road (720 m): from Begur Main Road to Manipal County Road
4. Manipal County Road (2.1 km): from Begur Lake Road to Hosur Road
5. Devarchikkanahalli Main Road (3.3 km): from Bharat Petrol Pump to Overhead Tank
6. Hongasandra Main Road (1.25 km): from Begur Main Road to Hosur Road
7. GB Palya Road (1 km): from Begur Main Road to Hosur Road
8. 11th Main Road (350 m): from Manipal County Road to Chikkabegur Road
9. Chikkabegur Road (840 m): from 11th Main Road to Hosur Road
10. 1st Main Road (440 m): from Chikkabegur Road to Hosur Road
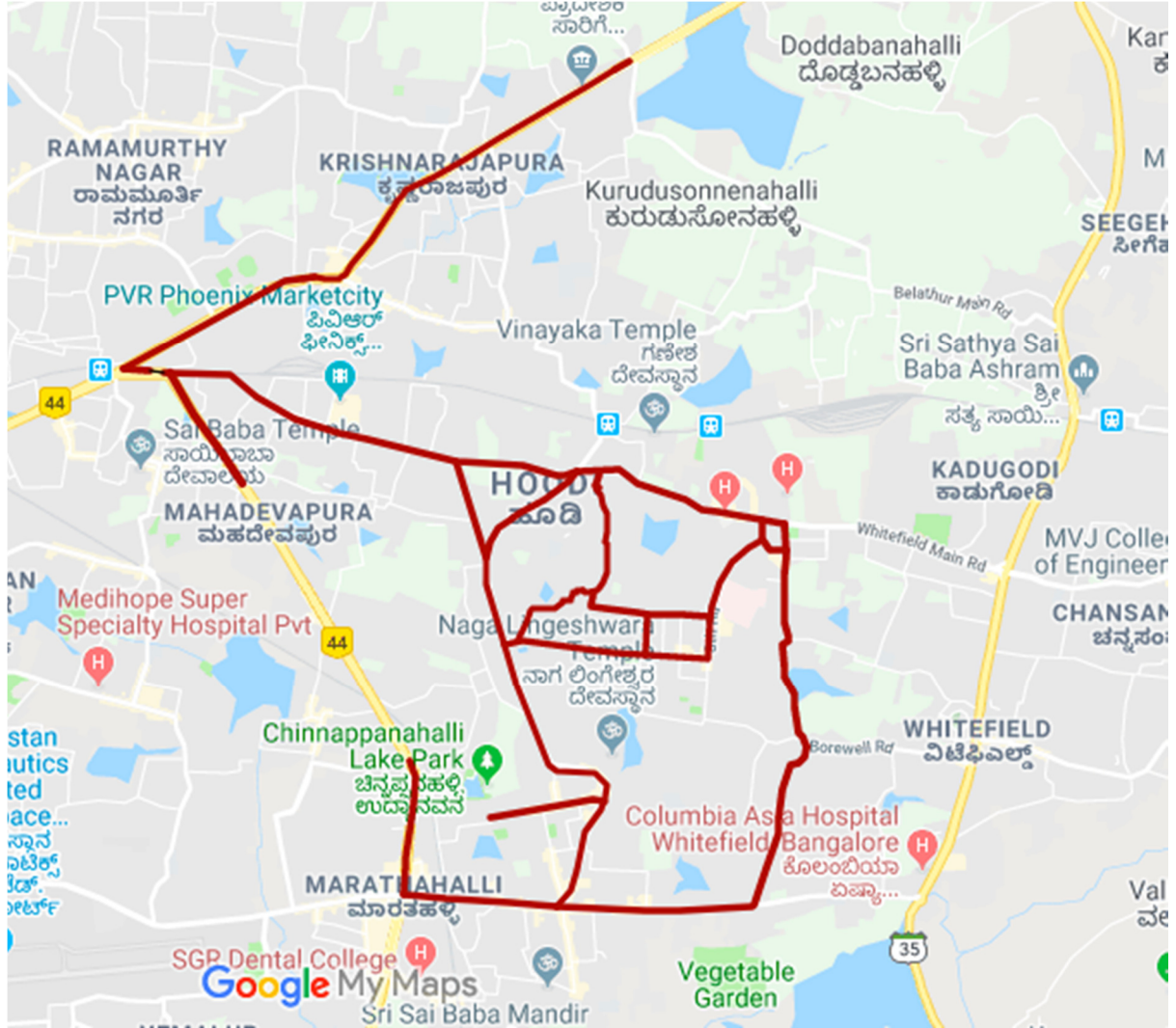11. 2nd Main Road (1 km): from 1st Main Road to Hosur Road

Yelahanka

Cluster Road Length: 16 km

1. SH-9 (3.2 km): from Central Institute of Medical and Pharmacy to 1st Main Road
2. Allasandra Main Road (1.2 km): from SH-9 to Vinayaka Temple Road
3. Vinayaka Temple Road (450 m): from Allsandra Main Road toSh-9
4. Major Akshay Girish Kumar Road (890 m)
5. 1st A Main Road (890 m)
6. New Town Main Road (1 km)
7. 15th A Cross Road (1.7 km)
8. 16th A Main Road (540 m)
9. 2nd A Cross Road (570 m)
10. 3rd B Cross Road (700 m)
11. 2nd B Cross Road (250 m)
12. 3rd A Cross Road (460 m)
13. Railway Station Main Road (800 m)
14. Jakkur Main Road (800 m)
15. Down Bazaar Road (1.5 km)
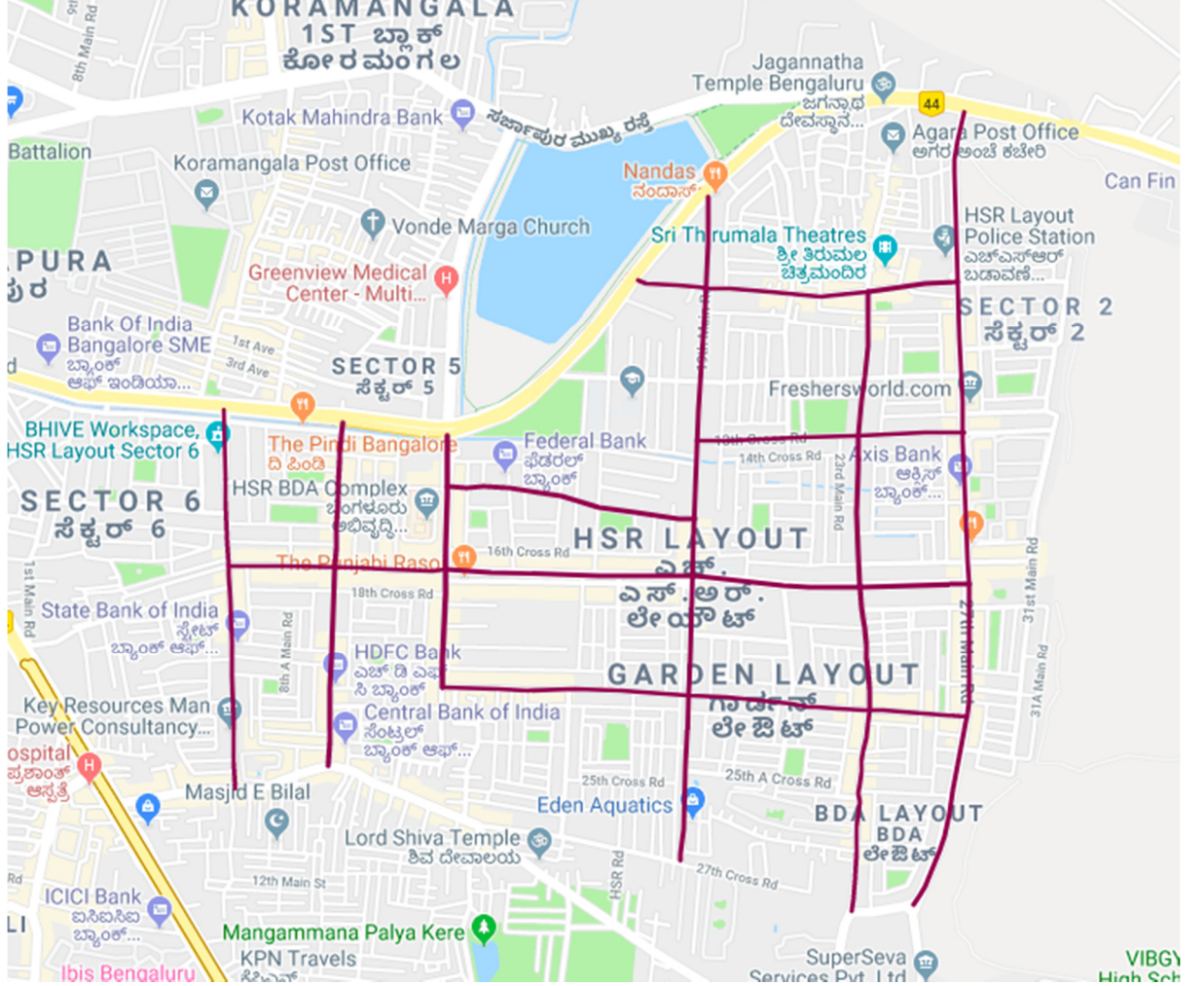16. BB Road (600 m)
17. NES Office Road (780 m)

Whitefield

Cluster Road Length: 32 km

1. **Bangalore-Tirupati Highway (5 km): from Whitefield Main Road to Medahalli**
2. **Whitefield Main Road (6 km): from Tirupati Highway to Varthur Road**
3. **Outer Ring Road (2.4 km): from Tirupati Highway to Mahadevpura Road and Doddenkundi to Marathahalli Junction**
4. **Varthur Road (3.2 km)**
5. **Kundalahalli Main Road (4.7 km)**
6. **Hoodi Main Road (1 km)**
7. **Nallurahalli Main Road (3.7 km)**
8. **Rd Number 2 (1.8 km)**
9. **8th Road (600 m)**
10. **1st Main Road (850 m)**
11. **Rd Number 7 (1.2 km)**
12. **Rd Number 5 (380 m)**
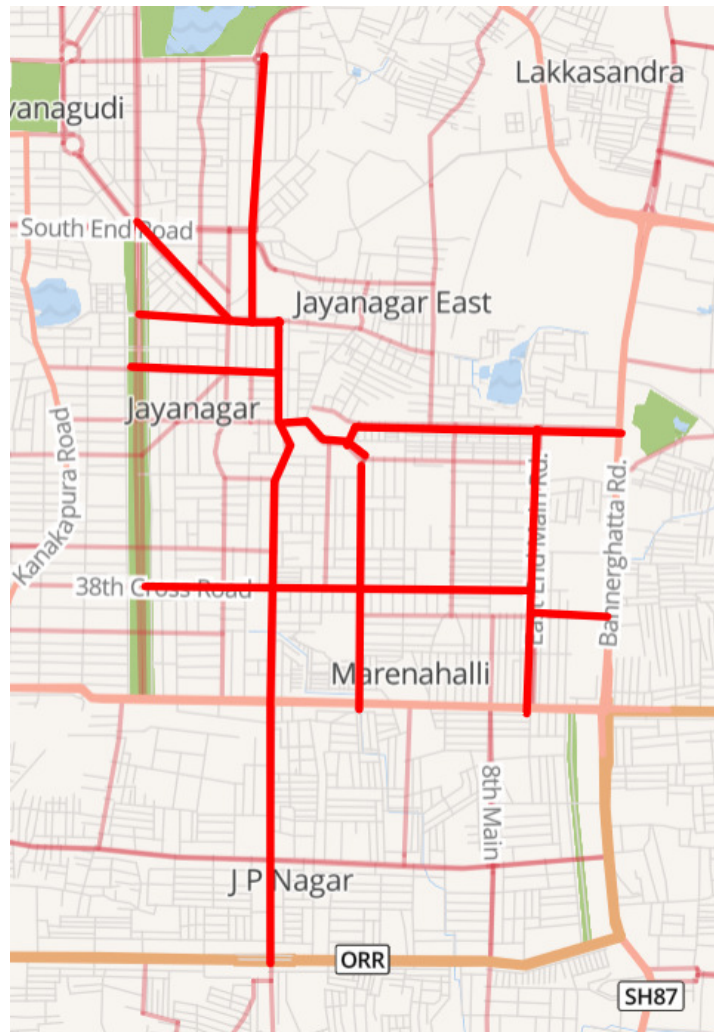13. **Seetharampalya-Hoodi Road (2 km)**

HSR Layout

Cluster Road Length: 15 km

1. 27th Main Road (2.3 km): from ORR to Link Road
2. 24th Main Road (1.7 km): from 7th Cross Road to Link Road
3. 7th Cross Road (920 m): from ORR to 27th Main Road
4. 19th Main Road (1.9 km): from ORR to 27th Cross Road
5. 17th Cross Road (2.1 km): from 5th Main Road to 27th Main Road
6. 22nd Cross Road (1.5 km): from 14th Main Road to 27th Main Road
7. 14th Main Road (720 m): from ORR to 22nd Cross Road
8. 15th Cross Road (710 m): from 14th Main Road 19th Main Road
9. 13th Cross Road (760 m): from 19th Main Road to 27th Main Road
10. 9th Main Road (980 m): from ORR to 27th Cross Road
11. 5th Main Road (1.1 km): from ORR to 27th Cross Road

Jayanagar – JP Nagar

LIST OF ROADS

1. East End Main Road, from Tilak Nagar Main Road to Marenahalli Road
2. Tilak Nagar Main Road
3. 18th Main Road from 32nd Cross to Marenahalli Road
4. Vinayaka Temple Road from 11th Main Road to 32nd Cross
5. 27th Cross from 11th 4th Main Road to 11th Main Road
6. 22nd Main Road (Nanda Theater Road) from 11th Main Road to 4th Main Road
7. Elephant Rock Road (entire stretch)
8. T Mariappa Road (from Ashoka Pillar to Cosmopolitan Club)
9. 38th Cross Road, from 4th Main Road to East End Main Road
10. 39th Main Road, from Bannerghatta Road to East End Main Road.