

CapaCITIES

Technical Study of the existing BRTS corridor for the last mile connectivity and pre-feasibility of potential electrification of the corridor

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1 Background

Swiss Agency for Development and Cooperation (SDC) is supporting the CAPACITIES project in 4 Indian cities including Rajkot. The project aims at strengthening the capacities of Indian cities to identify, plan and implement measures for achieving lower greenhouse gas emissions growth path and enhancing resilience to climate change in an integrated manner. CAPACITIES project is offering to assist the city improve the reach of BRT corridor.

ICLEI Local Governments for Sustainability, South Asia (ICLEI South Asia) on behalf of Rajkot Municipal Corporation and CapaCITIES implementation team invited proposal for involvement of national as well as international mobility expert for “technical study of the existing BRT corridor for the last mile connectivity and pre-feasibility of potential electrification of the corridor” Under CAPACITIES Project supported by SDC.

The project aims to appraise options for effective last mile connectivity at Rajkot Bus Rapid Transit BRT corridor. Additionally, it aims to explore potential of electric mobility i.e. electrification of existing BRT buses in the city, to reduce its carbon footprint and to make it more sustainable. To achieve this, aim the primary objectives which are required to be addressed are:

- Improvements in the existing BRT system to help reaching out to larger population for each available BRT station based on demand assessment
- Provide last mile improved connectivity between different modes (existing and envisaged) as well as safe pedestrian and non-motorized access to public transport.
- Propose enhancements, add on for improving the system including new technology aspects and looking at the feasibility of scaling up such initiatives more widely in the city.
- Delineate influence area over which ridership enhancement measures need be considered.
- Identify various last mile connectivity modes such as E-rickshaw /Auto rickshaws as well as
- NMT modes that need promotion.
- Identify implementation pattern to promote the finalized modes for last mile connectivity improvement including the financial aspects such as cost, revenue etc.

1.1 Introduction to BRT

Bus Rapid Transit System (BRTS) is a high capacity bus based public transit system. It is a total/complete system; is safe, fast, comfortable, and comparatively affordable and makes the best use of the available road space. The system is designed and engineered with dedicated bus lanes on which no other vehicles encroach. Likewise, there are separate lanes for cyclists, motorized vehicles and pedestrians. The segregated bus lanes make for faster travel of commuters in the BRTS; it improves traffic management in general and as such, improves the driving conditions of all other vehicles on the road as well. This system leads to reduced pollution. Security, cleanliness, easy access, customer comfort, and minimal stoppage time, all are qualities of the system which result in increased efficiency and attractiveness both for the passenger and the operator. In India, BRT system is adopted in many cities such as, Ahmedabad, Surat, Rajkot, Pune, Jaipur, Indore, Bhopal, Vijayawada and Vishakhapatnam (Table 1).

TABLE 1: OPERATIONAL BRTS CORRIDORS IN INDIA

| Nos. | City | Operational corridor length (km) | Corridor Name |
|------|-----------|----------------------------------|-------------------------|
| 1 | Ahmedabad | 97 | Total 17 Routes |
| 2 | Pune | 17 | Hadpsar-Swargate-Katraj |

| | | | |
|---|----------------|-------------|---------------------------------------|
| 3 | Surat | 10.2 | Udhana Darwaja to Sachin GIDC Naka |
| 4 | Jaipur | 7 | Sikar Road to Tonk Road |
| 5 | Indore | 11.5 | AB road corridor |
| 6 | Bhopal | 21.7 | |
| 7 | Vishakhapatnam | 20 | Pendurthi Transit Corridor |
| 8 | Vijayawada | 15.5 | Green Corridor: Loop Road |
| 9 | Rajkot | 10.7 | Gondal Chowk to Madhapar chowk |

1.2 City Profile

BRT system was developed in Rajkot on a 10.7km stretch of the ring road. The planning for the corridor started in 2007 and the corridor became operational in 2010. Rajkot is the fourth-largest city in the state of Gujarat. Managed by Rajkot Municipal Corporation (RMC), the area of Rajkot city is around 104.85 sq.km. The larger metropolitan region, which is under the jurisdiction of Rajkot Urban Development Authority (RUDA), has an area of about 686.30 sq.km. As per Census 2011, the population of RMC is 1.29 million. Administrative boundary map of RUDA is presented in Figure 1.

The city has a dense road network. The city is regionally connected with National highway NH-8B, State Highways (SH-26, SH-27, and SH-42) and district roads.

The climate of the city is hot and dry. The average maximum and minimum temperatures recorded over the last 40 years are 43.5°C and 24.2°C respectively. The average annual rainfall is 500mm.

Rajkot is located 245km from Gandhinagar, the state capital, at the centre of Saurashtra peninsula in the central plains of Gujarat State, located in western India at a height of 138m above mean sea level, and located on the banks of the Aji River and Nyari River. It lies between latitude 20.18 N and longitude 70.51 E. Rajkot is the biggest city in terms of population in the Saurashtra-Kutch region, and is bustling with commercial activity, spurred by new global economic and industrial policies.

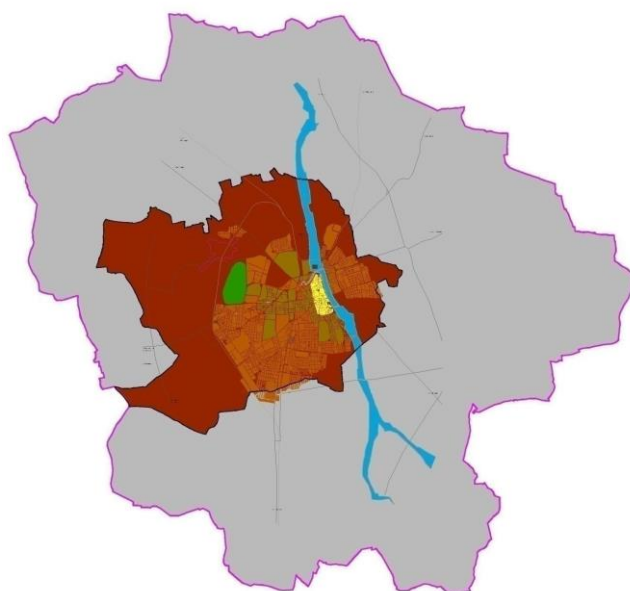


FIGURE 1: ADMINISTRATIVE BOUNDARY OF RUDA


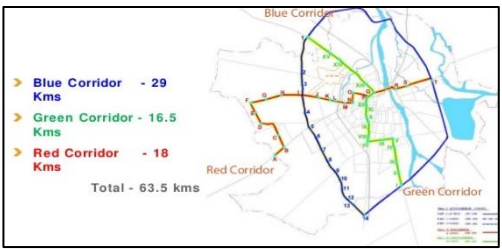
Source: (RUDA, 2015)

1.3 Rajpath BRTs

Rajkot BRT (Figure 2) was planned in year 2007-09, by SGArchitects (SGA) for Urban Mass Transit Corporation (UMTC), who were contracted by Rajkot Municipal Corporation to plan and implement the project under funding from Ministry of Urban Development (MoUD) as a part of its flagship program, known as the Jawahar Lal Nehru Urban Renewal Mission (JnNURM). RMC had identified the two potential BRT corridors:

1. One on the Ring Road around the city
2. Other bisecting it and linking the city to the periphery.

Rajkot has proposed BRTS network of total 63.5kms (Figure 3). Out of which 10.7 km BRTS corridor i.e. from Gondal Road to Jamnagar road is operational at present.

| | |
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|  |  |
| <p>FIGURE 2: OPERATIONAL RAJKOT BRTS</p> <p>Source: (Rajpath, 2017)</p> | <p>FIGURE 3: RAJKOT BRTS NETWORK PLAN</p> <p>Source: (RUDA)</p> |

The section of the Ring road was developed as the 10.7 km long first phase BRT corridor. The available ROW is 45m and the corridor was designed with two vehicular lanes, a parking lane, dedicated bus lanes, a continuous cycle track and a continuous and barrier free footpath along the length of the corridor. As a first for any BRT in the country, the corridor was designed with semi-signalized (three-phase signal, for buses, pedestrians and other motor vehicles) roundabout junctions. Broad details for the Rajkot BRTS corridors are presented in Table 2.

TABLE 2: RAJKOT BRITS CORRIDOR DETAILS

| Rajkot BRTS operational Corridor Details | |
|--|--|
| System type | Closed (However Initially planned as open) |
| Transit type | Bus rapid transit |
| Number of lines | 1 |
| Vehicle type | High floor diesel bus fleet |
| Number of stations | 18 |
| Daily ridership | 15000-17000 daily average |
| Operator(s) | Rajkot Rajpath Limited |
| System length | 10.5 kilometers (6.5 mi) |

Source: (Rajpath, 2017)

The selected corridor was planned towards the outskirts of the city, and attracted limited ridership because of limited demand (due to minimal origin-destinations on the corridor). Additionally, like most Indian cities, Rajkot has:

- Very low average trip length of under 4km.
- High mode share of NMT and motorized two wheelers.
- Informal though very strong IPT presence.

These factors point to a high sensitivity to access time, journey time and journey cost. As closed transit systems are known to have limited attractiveness for cities with low trip length (because of high access time and cost involved, Rajkot was originally planned as an open system - with bus routes connecting city core with BRT through critical nodes and important junctions on the corridor. However, the system was changed to closed system to cash on the high operational control, comfort, reliability and attractiveness offered by closed systems (Gandhi, 2015). This may have contributed to current reduced demand than planned for (Rajkot Municipal Corporation, 2007)¹. Reduced demand is partly reflected in the peak ridership numbers of between 800 to 1200 trips per hour per direction². Rajkot BRTS ridership is assessed as low when compared against other BRTS corridors, in India and globally (Hidalgo and Gurtierrez, 2013) & (Tiwari, 2010). Thus, to address this lack ridership on the BRT system, this project aims to identify solutions/measures to increase its attractiveness and demand. This study shall evaluate the effectiveness of different short and/or long-term measures to achieve these goals, and suggest a broad implementation strategy for the same. These measures include exploring different options to increase last mile connectivity including IPT integration, NMT integration, route modifications, BRT fleet expansion, etc. Other suggestions to improve attractiveness of the system, such as improved technology for ticketing, vehicle information, vehicle tracking etc. shall also be explored.

1.4 RMTS

Rajkot has city bus service named as Rajkot Municipal Transport Service (RMTS). Rajkot Municipal Corporation (RMC) started city bus service on 10th Oct'2013. In order to run and to operate RMTS Bus Service, RMC has incorporated "Special Purpose Vehicle" (SPV) called Rajkot Rajpath Ltd (RRL There are 60+6 Marco Polo Midi Buses with 32 seating capacity and 30+3 tata standard buses with 42 seating capacity. There are total 57 planned routes (44 operational routes). Of the total, 31 routes are passing through or crossing the currently operational BRT corridor. The detailed city bus tube map of Rajkot city is presented in Figure 4.

¹ As per estimations included in the detailed project report for BRT, the daily ridership on Rajkot BRTS should be 1,44,036 trips in 2017 and 1,70,981 trips in 2018, as against an average of around 19,000 trips in August 2017

² Peak hour and direction ridership number are derived from daily ridership numbers listed in MIS data from October 2016 to August 2017, as shared by Rajkot Rajpath Limited

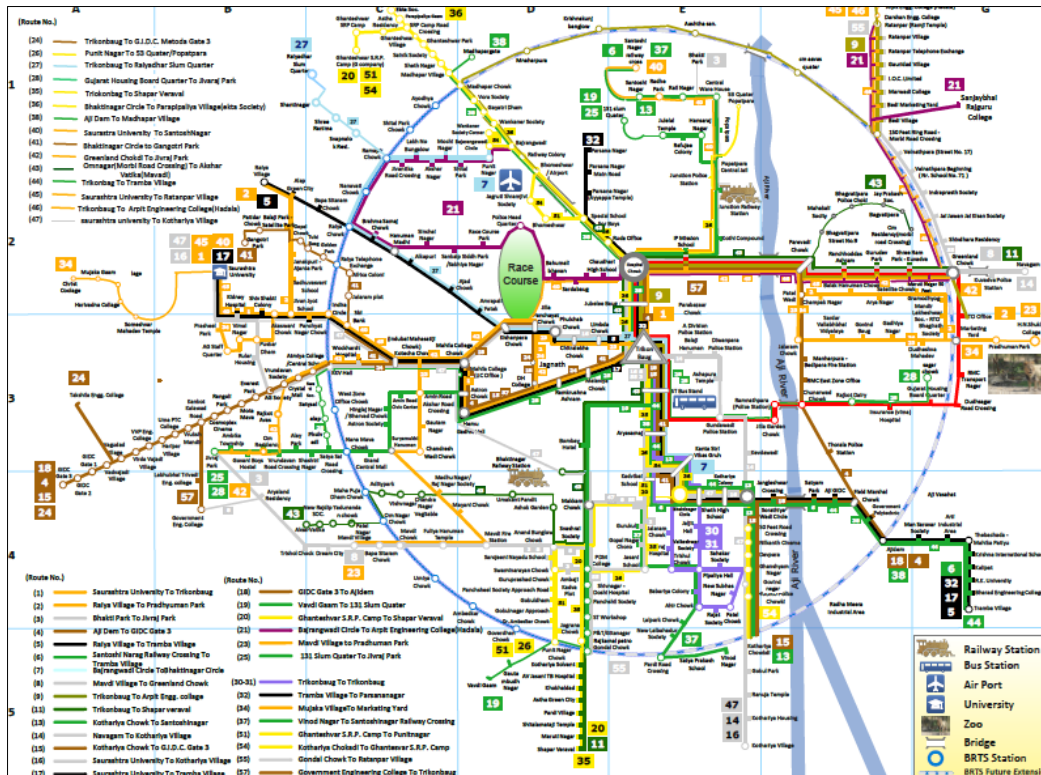


FIGURE 4: RAJKOT CITY BUS TUBE MAP

Source: (RUDA)

1.5 Travel Characteristics

In this section, travel characteristics like mode share, number of trips, purpose of trips and average trip length of the Rajkot City is discussed.

1.5.1 Mode Share

Mode share is defined as the percentage of modes used by a person for a trip. It was observed that trips in the city are made largely by walking and two-wheelers, i.e. 38 per cent and 35 per cent respectively. The share of non-motorized mode is high, which is 48 per cent including walking and cycling. Like most medium-sized cities of India, Rajkot also has a very high combined mode share of non-motorized transport and public transport, i.e. 60 per cent. Figure 5 shows the composition of different modes used for travel in the city.

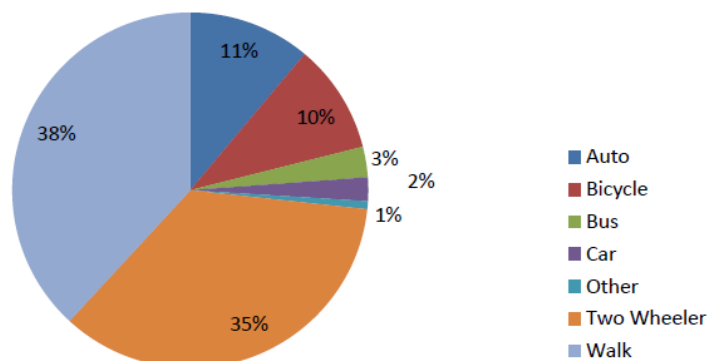


FIGURE 5: MODE SHARE OF RAJKOT CITY

Source: (LCMP, 2014)

1.5.2 Trip Characteristics

The per capita trip rate including walk trips is 1.30 trips/day, and when walk trips are excluded it is 0.81 trips/day. The city has a very low average trip length (inclusive of walking trips) of under 4 km. Trip distribution by purpose shows that most trips are made for work and education, i.e. 53 and 26 per cent respectively. Figure 6 shows the composition of trips by purpose in the city.

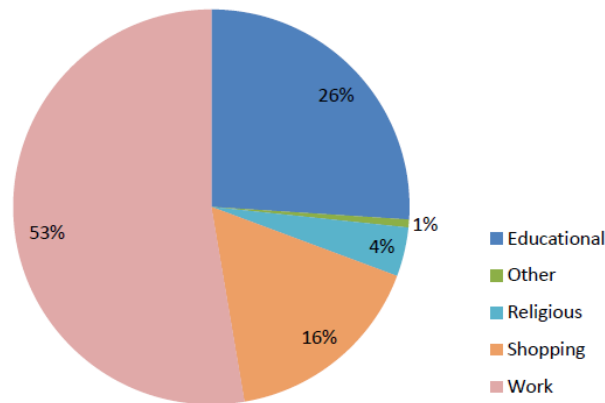


FIGURE 6: TRIP PURPOSE

Source: (LCMP, 2014)

1.6 Introduction of electrification in Mobility

The use of electric motors for propulsion dates back to the mid-19th century. The electric motor was invented before the internal combustion engine. Nevertheless, the internal combustion engine has been the dominant propulsion method for motor vehicles for almost 100 years and remains the dominant propulsion method today (the worldwide share of EVs was estimated to be around 0.15% at the end of 2016 (Wikipedia, 2018)). However, in recent years, electric vehicles (EVs) saw a resurgence due to a variety of different reasons. Technological improvements led to better and more affordable batteries. Improvements in battery capacity have significantly increased the range and flexibility of EVs. Another reason is the foreseeable end of non-renewable (fossil) energy sources such as petroleum oil and gas and a better understanding of climate change and therefore a higher awareness of the need to reduce CO₂ and other greenhouse gas emissions. Depending on the source of the electricity (and energy mix) used to charge the batteries, EVs have little to zero CO₂ and other greenhouse gas emissions. EVs can also contribute to a reduction of air pollution, noise level and energy demand. Furthermore, some governments have started to actively push electric vehicles with specific incentives or subsidies.

1.6.1 Electric Mobility for Rajkot city

Among all urban service sectors, the transport sector is the most energy intensive sector in Rajkot. For 2015-2016, road transport accounts for 49% of the total energy consumption and results in 27% of the total greenhouse gas emissions in the city (CapaCITIES, 2018). In 2015-2016, greenhouse gas emissions accumulated to more than 0.5 Million tons of CO₂ equivalents. According to the Low-Carbon Comprehensive Mobility Plan (LCMP, 2014), carbon monoxide levels at many places are higher than the prescribed standards of 4000 mg/m³. Besides the negative health effects of air pollution, semi-arid areas such as the state of Gujarat are particularly vulnerable to climate change. This stresses the importance of mitigating greenhouse gas emissions furthermore.

Besides improving the existing BRT- corridor and thereby increasing the ridership of public transit, the electrification of the BRT- corridor can also help to reduce Rajkot's carbon footprint and make the city more sustainable.

1.6.2 Advantages and disadvantages of electric vehicles

The following table summarizes the main advantages and disadvantages of electric vehicles.

TABLE 3: ADVANTAGES AND DISADVANTAGES OF ELECTRIC VEHICLES

| Advantages | Disadvantages |
|---|--|
| Zero CO ₂ and other greenhouse gas emissions (tank-to-wheel) | Smaller range or flexibility |
| Improvement of air quality | Longer charging (=refuelling) time |
| Comfort enhancement (reduction of vibration and noise) | Different/additional infrastructure and maintenance requirements |
| Smaller energy demand (ca. 25% less) | Bigger investment costs for vehicles |

The premise of zero CO₂ and other greenhouse gas emissions is of course only valid, if the electricity used is generated entirely from renewable sources. However, in practice electricity is usually drawn from an electric grid being fed by several power generation methods using fossil and renewable sources. The potential to reduce CO₂-emissions therefore relies strongly on the effective energy mix. This stresses the need to analyse the present and future methods of generation of electricity (see chapter 3.2.3.11).

2 Literature Review

This section provides findings and understanding on last mile connectivity as gathered from literature review. It attempts to build an understanding of the importance of Last Mile Connectivity (LMC) planning for Public Transport (PT) systems like BRTS/Metro. The understanding of objectives, planning strategies and principles required to choose suitable last mile connectivity option for given PT system, can be consolidated by combining the findings and inferences from the various Last mile connectivity studies, thesis, research papers etc.

The literatures presented in the Table 4 have been followed to get the better understanding of Last mile connectivity planning for transit.

TABLE 4: LITERATURE STUDIES

| Synod | Literature Study |
|-------|--|
| 1 | Last Mile Connectivity Study. Author: Gresham Smith and Partners in collaboration with Sprinkle and vhb for PCID, Atlanta city. |
| 2 | First Last Mile Strategic Plan & Planning Guidelines. Authors: Los Angeles County Metropolitan Transportation Authority & SCAG, Los Angeles. |
| 3 | Last Mile Connectivity (LMC) For Enhancing Accessibility of Rapid Transit Systems. Author: Chidambara, Department of Urban Planning, School of Planning and Architecture, New Delhi, India |
| 4 | Best Practices: First-Last Mile Strategies, Article-Mass Transit, August 15, 2016. |
| 5 | Fist mile-Last mile, Intermodalism, And Making Public Transit More Attractive. Author: Steven Polzin, Blog Post, PLANETIZEN. |
| 6 | First/Last Mile Strategies Study. Author: FEHR & PEERS and NELSON NYGAARD |
| 7 | Access-egress and other Travel Characteristics of Metro users in Delhi and its Satellite Cities. Author: Rahul Goel and Geetam Tiwari, TRIPP, IIT Delhi. |

The chapter focuses on extracting findings from the above-mentioned literature reviews which shall be useful in proposing a viable Last Mile connectivity option for Rajkot BRTS.

2.1 Last Mile Connectivity

Originally, the phrase last mile connectivity has been used in telecommunications and technology industries to describe the technologies and processes used to connect the end customer to a communications network. For PT Last mile trips help commuters to easily access/egress and transfer between origin and transit station (Chidambara). Commuters must complete the first and last portion of the trip on their own, as public transit agencies only provide bus and rail services connecting designated stops or stations on a specific corridor or a route. To complete the first and last trips, commuters are required to walk or drive themselves to the nearest transit station. These first and last segments of a trip feeding the transit (or other mode) trip are known as the “first” or “last mile” of the commuter’s trip (First Last Mile Strategic Plan & Planning Guidelines , March 2014).

2.1.1 What is last mile connectivity?

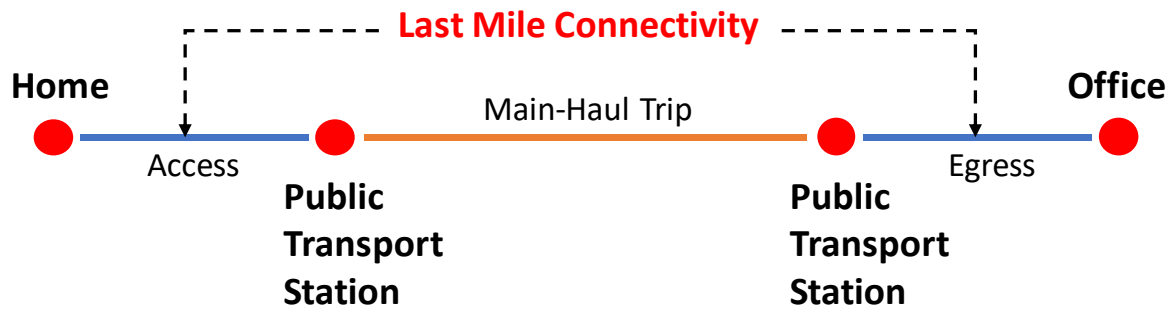


FIGURE 7: LAST MILE CONNECTIVITY

For commuters who use PT, trips do not simply start or end when they board or alight the train (in case of metro) or bus (including BRTS). Trips start from home (by walk, by non-motorized vehicles or by motorized vehicles) to PT station, and conclude through a similar trip from station to the work place. These connecting trips before and after transit, which are “last mile” as shown in Figure 7, are the most challenging and thus critical for ensuring PT ridership. For example, for work trips, if a commuter travels with BRTS to get to work, then the “first mile” and the “last mile” of that trip would be the distance between home to BRTS station or BRTS station to office. It could also refer to the trip made between a shopping center and the nearest PT station, for commuters with shopping as the purpose of the trip (Gresham Smith and Partners, March 2017).

First and last mile connections are undertaken in one or more of the following ways:

- Walking
- Bicycling
- Private automobile like two-wheelers, cars, etc.
- Para-transit modes like auto rickshaws, taxis, cycle rickshaw and e-rickshaw
- Shuttles or mini buses
- Bus
- Private rideshare or ride-hailing services like Uber, Ola, etc.

2.1.2 The importance of last mile connectivity for ensuring Public Transport (PT) ridership?

Ridership of BRTS or any PT system, is highly dependent on the quality of last mile connectivity present in PT catchment area and also highly dependent on the time people spend during its access and egress parts and the level and quality of access. These are the weakest parts of a PT trip since these stages involve much physical effort and occur in an outdoor environment. Therefore, with an increase in access and egress time, the usage of public transport decreases. (Goel & Tiwari, 2013)

Elements of geography, topology, street network and design, or a lack of available transportation options create a first and last mile gap which is a barrier that discourages potential riders from using transit because a station cannot be easily accessed from home, work, or other destinations. (Nelson\Nygaard, APRIL 2015)

Improvements to last mile connectivity can help improve congestion and provide viable travel alternatives to personal vehicles for workers, residents, and visitors. Better facilities for walking, parking of rickshaws, and safe bicycle tracks may increase PT ridership and reduce dependence on motorized modes for access and egress trips. Also, enhancing non-motorizing facilities like bicycle and pedestrian facilities can help to improve community health and well-being by planning it easier for PT commuters to choose active transportation modes and make healthier choices with regard to how they get around. It is also observed that investing in last mile connectivity can help ensure the economic competitiveness of the area by maintaining it as a desirable destination for workers, residents, and visitors. (Gresham Smith and Partners, March 2017)

2.2 Last Mile Connectivity Planning

The growing motivation for providing first mile-last mile connections derives from the logical desire to increase the accessibility to Public Transportation for more homes and destinations (Polzin, 2017). Over time, the population will continue to grow as cities modify their land-use plans to provide more housing and jobs near stations, consistent with market demand and regional goals for more sustainable communities. Planning a last mile infrastructure improvement strategy is aimed at facilitating easy, safe, and efficient access to the PT system (First Last Mile Strategic Plan & Planning Guidelines , March 2014), thereby increasing its attractiveness, eventually leading to increased ridership and overall lower dependence of the city on private modes of transport.

2.2.1 Objectives for planning last mile connectivity

An individual's trip is understood as the entire journey from origin to destination. Individuals may use a number of modes of transport to complete the journey; they may walk, drive, ride a bicycle, take a train, or in many cases combine a number of modes (First Last Mile Strategic Plan & Planning Guidelines , March 2014). It is important to minimize the use of motorised modes to access PT since a higher share of these modes also has important implications in terms of emissions.

Therefore, the three main objectives of planning a last mile connectivity are (Gresham Smith and Partners, March 2017):

- To provide safe, faster and comfortable access and egress option for short-distance trips;
- To make it easier and more convenient for commuters to take advantage of existing PT system for travel between the origin and destinations;
- To provide commuters with choices other than a personal automobile for completing short-distance trips within PT catchment area.

2.2.2 Strategies for planning PT last mile connectivity?

To achieve above objectives, the last mile connectivity planning should focus on the safety, comfort and convenience of commuters. Therefore, the strategies for planning last mile connectivity modes should be commuter's behaviour oriented.

Essentially, facilities that improve last mile connectivity may include wide sidewalks, safe pedestrian crossings, direct connections between buildings and sidewalks, shared-use paths, bicycle lanes, private rideshare services, short-term carshare or car rental, and to some extent, local circulating transit service, like shuttles. Other improvements may include wayfinding, bike parking, short-term bike rental or bikeshare. (Gresham Smith and Partners, March 2017).

To improve the quality of last mile connectivity, city transport department should implement the following strategies (Gresham Smith and Partners, March 2017):

- Ensure the safe connection between PT system and destinations for the pedestrians, cyclist and other transit users.
- Improve mobility to reduce congestion, improve traffic flow by managing vehicular traffic, and makes it easy for commuters to interchange modes.
- Provide different last mile connectivity options for commuters to travel up to transit, so that commuters can travel easily and comfortably without having to use a personal vehicle. These modes include paratransit, walking, bicycling, etc.
- Identify non-motorized transit corridors or shortcuts in the PT catchment system which can attract more walking and cycling commuters, and avoid implications in terms of emissions.
- Enhance the economic competitiveness of the area by providing a range of transportation options, making the area more attractive to business and employees.
- Enhance the sense of place and quality of life within the transit area by providing a transportation system that encourages active living, human interaction, and enjoyment of assets in the transit area.

In addition, the last mile planning should prioritize the non-motorized transit users by providing separate planning strategies for them. Following are the strategies considered by Perimeter Community Improvement Districts (PCIDs) in last mile connectivity planning for the bicycle and pedestrian network (Gresham Smith and Partners, March 2017).

- Enhance pedestrian facilities and circulation at major origins and destinations, including transit stations, office complexes, hospitals, and large retail developments.
- Implement Programs and facilities to Encourage Bicycle Usage in the Perimeter Area-
 - Provide supportive equipment and facilities such as bicycle racks and repair stand.
 - Work with major employers to implement employer incentive programs to encourage cycling to work.
 - Sponsor bicycle safety campaigns to teach cyclists and motorists how to safely interact on the roads.
- Foster an Interconnected Network of Bicycle Routes

Transit cannot be successful on its own. There are many factors that affect the ridership, including the physical characteristics of the transit area, but also the behavior of locals and how transportation decisions are made. Wide range of approaches supporting the last mile planning including high level policies (for example supporting mixed-use density in station areas) to specific infrastructure investments (for example providing additional bike racks at stations). Public transportation agencies, at the time of PT system like BRTS/Metro planning can allow for 'coordinated bundling' of first last mile strategies by identifying access networks that partner agencies and alternative transportation providers can build from and/or plug into (First Last Mile Strategic Plan & Planning Guidelines , March 2014).

2.2.3 Principles for planning PT last mile connectivity?

Successful PT system always rely on direct alignments along or adjacent to higher-density corridors, and it may not be practical or cost-effective to expand coverage or increase frequency of service to increase ridership. Other efforts may be needed to improve first and last mile connections. The suitability or efficiency of Last mile trips hugely hinge on three main principles. (Gresham Smith and Partners, March 2017):

1. **Distance:** the distance a commuter must travel between PT station and origins or destinations. Last mile connectivity mode mostly depends on the distance of last mile trip. Most of the cases, Commuters choose walking or bicycle as a commuting mode for short-distance trips and for long last mile trips commuter would prefer para-transit modes or buses. An average person can walk more than a kilometre on flat, well-maintained surfaces in about 17 to 20 minutes.
A general rule of thumb is that people are willing to walk close to 400m to local bus stops and a 800m to a rail or rapid transit station. However, in some cases, many people are willing to walk more than 1.5k or cycle, if the conditions are conducive to safe, comfortable trips (Gresham Smith and Partners, March 2017).
2. **Modal integration:** Modal integration refers to the ease (or difficulty) of combining multiple modes, such as cycling, walking, or ridesharing, with transit trips. It is very important that the commuter can easily transfer from one last mile mode to transit, in order to facilitate convenient, comfortable last mile connectivity and make seamless transitions between trips. For example, commuter travelling by bicycle should be able to park his/her bicycle in bicycle racks at all transit hubs. Also, he/she would get a parking area at office and residential buildings, so that person could easily ride a bike from home, get on a bus, and then ride a bike to his/her final destination. (Gresham Smith and Partners, March 2017). Modal integration may not be limited to just physical integration but should also include fare integration where transfer between different PT/transit modes or/and IPT is involved.
3. **Network quality:** Network quality refers to quality environment and infrastructure for commuters in transit area and routes between origins and destinations. Effective last mile strategies depend upon high-quality facilities and routes that make trips safe and comfortable for travellers. Level sidewalks, even topography, well maintained motorized carriageway and non-motorized pathways, street lighting and pedestrian lighting, shade tree and other green covers, or covered walkways, dedicated hawking

spaces are the most important factors that make last mile commuters more safe and comfortable (Gresham Smith and Partners, March 2017).

4. **Increasing the average speed of active transportation users:** This is achieved by decreasing wait times at intersections and by increasing speed and capacity along walking/rolling routes. Pedestrian prioritized Signal timing improvements decrease waiting times for pedestrians; reduced crossing distances reduce average street crossing time; and the provision of improved walking and rolling facilities that cater to a growing range of mobility devices increases the average speed of users. Personal sense of safety, security, and comfort along access routes all play a role in an individual's choice to utilize public transportation. (Gresham Smith and Partners, March 2017). Here it is also critical to understand that by simply providing pedestrian walkways which are level, wide and free from encroachments can result in a 40% improvement in commuter walking speeds leading to up to 20% reduction in journey time, making the public transport that much more attractive (Gandhi, 2013).
5. **Decreasing point to point distances:** This is achieved through the utilization of strategic short-cuts and increased crossing opportunities. Provision of raised crossing at junctions and mid-block can be used to significantly reduce point to point distances (Gresham Smith and Partners, March 2017).

It is observed that the most important factors for deciding last mile mode is reduced wait time and reduced journey time. Since wait time contributes to the journey time, it can be inferred that journey time is the most important factor for the commuter over vehicle comfort, attractive stations, low fares, etc. These findings have been derived from transportation surveys of residents, employees and visitors conducted in 2013 by Perimeter Community Improvement Districts (PCIDs), in coordination with ARC (Figure 8). This effort included a mail home travel survey of residents, intercept surveys at major Perimeter employment centers, and intercept surveys at three MARTA Stations (Gresham Smith and Partners, March 2017).

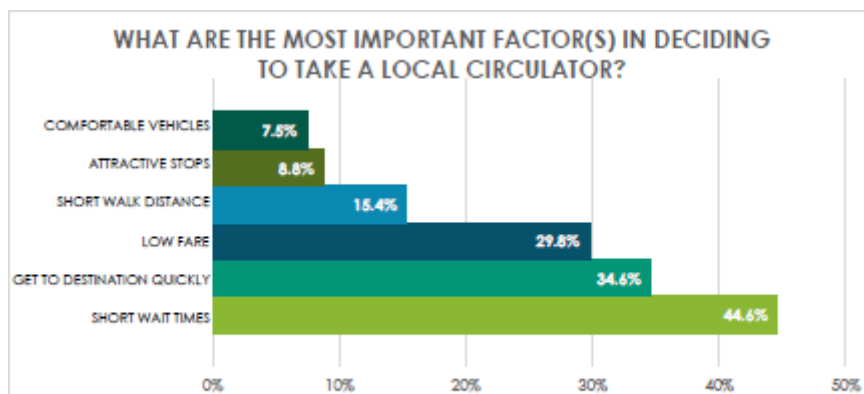


FIGURE 11. LOCAL CIRCULATOR FACTORS*

*Note, participants were able to select more than one important factor, therefore percentages do not add up to 100%

FIGURE 8: TRIP PURPOSE

2.2.4 Options of PT last mile connectivity

Commuters can complete the last mile trip with either of the two types of modes; motorized last mile mode or non-motorized last mile modes. Motorized last mile mode consists of private vehicles (like cars, bikes, etc.), para-transit vehicles (like auto rickshaws, shared auto rickshaws, etc.), public transport vehicles (like arterial buses, mini buses, etc.). While non-motorized last mile mode consists of bicycle and walking, non-motorized para-transit modes (like cycle rickshaws, etc.)

Usage of last mile modes or options highly depend on availability, climate, quality of environment and infrastructure within transit area, travel distance and journey time and finally journey cost. It is observed that stations with high ridership attract a large number of para-transit operators (Goel & Tiwari, 2013). With large number of passengers, it is also profitable for them to operate.

According to 2011 metro on-board survey in Los Angeles, 91% of commuters uses walk, bike, buses or para-transit modes and only 9% of commuters drive their own vehicle to PT stations (First Last Mile Strategic Plan & Planning Guidelines , March 2014) as shown in Figure 9. This is because of extra out-of-pocket cost due to parking charges and vehicle operations, or street accidents or because this may block the vehicle from being used by any other family member for as long it is parked at metro stations. (First Last Mile Strategic Plan & Planning Guidelines , March 2014). In India, 87% of commuters use walk, bicycle, buses and para-transit while only 13% commuters uses private vehicles to PT station (Goel & Tiwari, 2013).

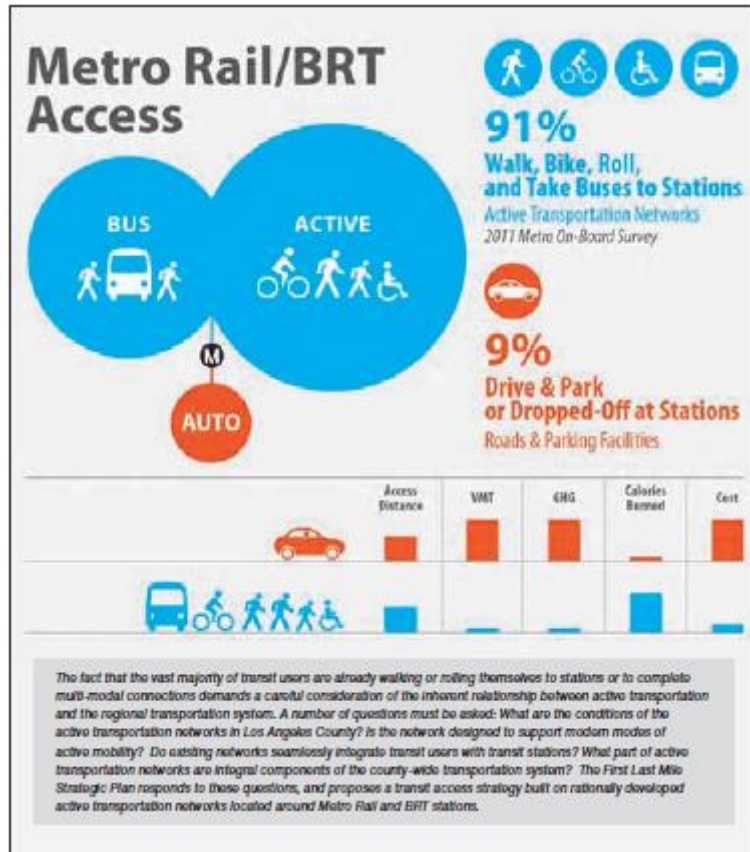


FIGURE 9: PERCENTAGE OF METRO RAIL/BRT ACCESS

In addition to accommodating the efficient flow of vehicles, streets must accommodate safe and efficient multi-modal transfer activity and support a wide range of mobility options. Also, transport planner need to ensure that active transportation networks should get a priority during last mile connectivity planning. Special attention must be paid for pedestrian improvements located within 2-2.5km and all bicycle improvements located within 4 to 5km of a public transportation stop to have de facto physical relationship to public transportation.

2.2.5 Pros and cons of different last mile connectivity

Walking, bicycling, para-transit, buses, etc. are the options available for the last mile connectivity trips. Every mode has some advantage and some disadvantage in terms of time cost, time, comfort, safety, etc. Table 5 below showing the Pros and Cons for each available mode.

TABLE 5: OPERATIONAL BRTS CORRIDORS IN INDIA

| Nos. | Last Mile Connectivity Mode | Desirable distance | Pros | Cons |
|------|-----------------------------|---|--|--|
| 1 | Walking and Bicycling | ½ miles or 800m (walking) 3 miles or 5km (bicycling) | <ul style="list-style-type: none"> • Reduces on street vehicles and vehicle emission, Active mode of transport • Help commuter to stay health, • Keep environment healthy, • No travel cost • Point to point connectivity | <ul style="list-style-type: none"> • Physical exertion for commuters, • Journey time and speed as compared to motorized modes, • Comfort & Safety in case of low street lighting, irregular and discontinues footpath, absence of hawkers, etc. • Problem availability of bicycle parking at PT stations |
| 2 | Para-transit | Medium distance trips | <ul style="list-style-type: none"> • Discourage private vehicle trips • Point to point connectivity • Easily available/flexible timing and faster than walk, bicycles | <ul style="list-style-type: none"> • Higher travel cost as compared to shared para-transit or buses • Capacity 3-4 passengers • Not eco-friendly, source of greenhouse gas emissions |
| 3 | Shared para-transit | Medium distance trips | <ul style="list-style-type: none"> • Discourage private vehicle trips • Low travel cost as compared to Para transit and personal vehicles | <ul style="list-style-type: none"> • Fixed route service • Capacity 5-7 passengers |
| 4 | Buses | Long distance trips | <ul style="list-style-type: none"> • Comfortable and safe • Low travel cost as compared to Para transit and personal vehicles • Discourage private vehicle trips | <ul style="list-style-type: none"> • Fixed route service • Unacceptable for shorter trips in terms of cost and time |
| 5 | Private vehicles | All type of trips | <ul style="list-style-type: none"> • Comfortable and safe • Point to point connectivity • Easily available/flexible timing and faster than walk, bicycles | <ul style="list-style-type: none"> • High travel cost • Not eco-friendly, source of greenhouse gas emissions • Consume parking space at PT station for whole day |

2.2.6 Methodology for planning PT last mile connectivity

Successful Public Transport system depends upon a good last mile connectivity planning. Methodology for planning a optimum last mile connectivity includes a review of previously approved plans and studies, as well regional and mobility plans within transit area. The process also consists of existing transit area facilities and services mapping, demographic study, and understanding of travel behavior of commuters in transit area (as shown in Figure 10). Identification of planning gaps and areas of overlap between projects and finding new projects and recommendations to fill those gaps.

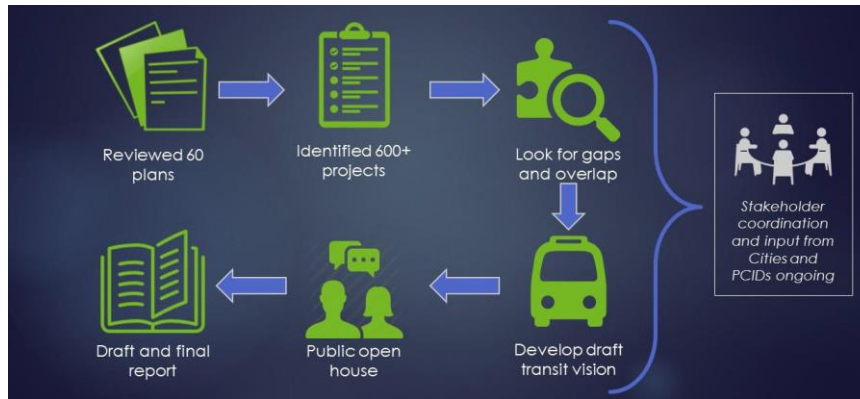


FIGURE 10: METHODOLOGY

Next step is consolidating all the projects in to a unified project list and identified possible sources of funding, criteria to help prioritize projects in the future, benefits, and probable costs. (Gresham Smith and Partners, March 2017)

After analysis of existing mobility plans, methodology of planning last mile connectivity, further include three major steps: Site area definition, analysis of existing condition, and planning last mile connectivity options (First Last Mile Strategic Plan & Planning Guidelines , March 2014).

1. **Site area definition:** The first step in planning for any given station area is to determine the location and limits of the network. Conducting traffic volume, origin-destination surveys to identify the travel behaviour of commuter in transit area. Demographic, Boarding-alighting, ticketing and other data of PT system to understand demand at every transit station.
2. **Analysis of existing condition:** The given site should be studied at both a macro and micro level, to get the better understand the unique challenges of an individual station area chosen for last mile connectivity development. The intent of the analysis is to evaluate the existing condition and characteristics of the station area, and information related road network, existing feeder modes and routes. The analysis includes mapping, data compilation and analysis, station specific data, travel behaviour analysis data mapping, population density and origin-destination mapping, etc. This can help to find out the suitable last mile modes for given transit system.
3. **Planning last mile connectivity option:** Planning last mile connectivity option include following tasks: With help of data analysis, finalize the road network for identified last mile connectivity options. Listing of requirements for implementing the identified last mile options along the corridor. Development of a financial plan and action plan for implementation.

2.3 Best practices of planning PT last mile connectivity

To understand the last mile connectivity planning strategies, best practices of planning PT last mile connectivity has been analysed. This section presents the three best practices in last mile connectivity planning from different countries and cities.

2.3.1 First and last mile connectivity planning for Baltimore city:

Average trip length in Baltimore city is about 19km (Harvey S. Bloom, 2005). Baltimore city has different kinds of transit systems including local bus, light rail, metro subway, commuter bus and MARC train service. But longest running challenge for Baltimore city was how to effectively get commuters from their front door to transit station, as commuters often have encountered numerous challenges while attempting to reach to transit stations. Disconnected sidewalks, poor crosswalks, inadequate bike facilities and lack of modern car sharing options create real hurdles for commuters (Comfort, 2016).

To solve these problems, Maryland Transit Administration (MTA) have launched BaltimoreLink: a \$135 million comprehensive transit improvement plan. The plan identifies how people in

Baltimore get to job, entertainment and life's opportunities, and analyse job trends, ridership and route performance data using current and projected population (Comfort, 2016).

In BaltimoreLink, improving pedestrian infrastructure was the start point. Improvement was done by planting better way-finders and signages around stations and also by replacing all 6,500 of bus stops sign with new, easy-to-read information signages. To make commuter trips safer and more enjoyable, MTA improve crosswalks and sidewalks around junctions and key transfer facilities (Comfort, 2016).

Second key part of the BaltimoreLink was strengthening biking, healthy alternative, by bridging the gap between home and nearest transit station. This was done by installing bike share docks at 10 light rail and metro subway stations in downtown Baltimore and also by boosting the amount of bicycle parking options by installing bicycle racks at all 83 MTA railway stations as well as promoting proper bike locking techniques through signage on bike racks. To ensure a bike-friendly fleet, MTA allowed passenger bicycles on all light rail and metro subway stations as well as on 100% local bus fleet with the help of bike racks. It not only allowed folding bicycle but also standard bikes. To achieve this MARC retrofitted many of their train car with bike racks that serve all MARC Penn Line weekend trains between Baltimore and Washington DC (Comfort, 2016).

Third step was introducing new last mile connectivity options, i.e. modern car-sharing service, to commuters. MTA partnered with Baltimore city and private property owners to establish Zipcar facilities at railway stations. In addition, MTA was also developed a micro-transit pilot program to make mass transit more appealing to tech-savvy riders (Comfort, 2016).

2.3.2 Last mile connectivity for Suburban commuters in America:

While buses, walking, and cycling help solve the last-mile problem for some, many suburban commuters must travel several miles to access a station, making those options impractical (Castor, 2016). "Lyft" on-demand transportation company (Lyft, 2018), actively collaborating with transit agencies around the country to solve last mile connectivity problems, helping more commuters to give up their private cars entirely and minimizing the congestion on transit station parking lots.

In Colorado, free (grant-subsidized) Lyft rides to and from a suburban light rail station has been provided for residents and workers. Similarly, in Portland, Lyft recently launched a partnership with TriMet to integrate real-time Lyft availability and pricing information directly into the TriMet Tickets app, enabled by moovel's RideTap (Castor, 2016). The app provides Lyft information in the same app where riders buy transit tickets, this partnership reduces friction for multimodal travellers, encouraging commuters to leave their cars at home.

The next step Lyft's first-last mile transit partnerships will likely see even deeper integration between Lyft and transit fare systems which includes expanding access for the unbanked and extending Lyft's network to those without smartphones (Castor, 2016). In the meantime, transit agencies may begin to redesign the stations for less parking and easier pickups and drop-offs.

But in Indian context, as more than 50% of trips are less than 3km and 85% of trips are less than 10km long (Tiwari & Jain, 2015), promoting similar last mile connectivity options may not yield the same results.

2.3.3 The Pathway: Last Mile Connectivity option for Los Angeles Metro:

Los Angeles County Metropolitan Transportation Authority (Metro) is developing a world-class rail system with stations that will be a short distance (three miles or less) from the homes of 7.8 million Los Angeles County residents (First Last Mile Strategic Plan & Planning Guidelines , March 2014).

The Pathway is introduced for commuters to travel from their origins to stations and from stations to destinations, which can help to reduce the distance and time to access the transit network, and simultaneously improving the user experience in Los Angeles. The Pathway is proposed along specific access routes selected to shorten trip length and seamlessly connect transit riders with intermodal facilities.

In so doing, the Pathway aims to support broader policy directives related to clean air, health, and economic sustainability. Additionally, by improving transit access and effectiveness, more

people will likely opt into public transportation which in turn will reduce vehicle miles travelled (VMTs) and greenhouse gas emissions (GHGs), integrate physical activity into daily commute patterns, and improve economic vitality by connecting people to regional markets (First Last Mile Strategic Plan & Planning Guidelines, March 2014). The Pathway planning strategies includes five major important features, which are safety, efficiency, fun, intuitive and universal accessibility.

This last mile connectivity option is viable option for Indian cities, as the cities has more short trips and presently, more than 30% trips are made by walking in all mega, large, medium and small cities in India (Tiwari & Jain, 2015).

2.4 PT last mile connectivity in Indian context

Mass transit systems in India consist of majorly Bus Rapid Transit System (BRTS) and Metro. There are total 23 Bus Rapid Transit Systems (BRTS) available in India. Out of which, Ahmedabad, Amritsar, Bhopal, Bhubaneswar, Indore, Jaipur, Pune, Raipur, Rajkot, Surat, Vijayawada and Visakhapatnam cities have operational BRT systems and Chennai, Coimbatore, Guwahati, Hubli-Dharwad, Hyderabad, Jodhpur, Kolkata, Ludhiana, Madurai and Mumbai cities have BRTS which are in planning/under construction processes (Bus rapid transit in India, 2017). While total 10 major cities (including Kolkata, Delhi, Bengaluru, Gurugram, Mumbai, Jaipur, Chennai, Kochi, Lucknow and Hyderabad) in India has operational metro projects. (Urban rail transit in India, 2018)

In Indian scenario, usage any PT system, is highly dependent on the time people spend during its access and egress parts i.e. last mile connectivity and the level and quality of access (Goel & Tiwari, 2013). Last mile (including access and egress) is the weakest parts of a PT trip since this stage also involve much physical effort, often under harsh climatic conditions in an outdoor environment. As a result, with an increase in access and egress time, the usage of public transport decreases (Goel & Tiwari, 2013).

Last mile (access and egress to PT station) modes available in Indian cities consist of walking, bicycling, cycle rickshaws, auto rickshaws, mini bus, arterial bus, private bikes and cars. For example, in Delhi, an access trip to metro involves seven different modes- walk, cycle, cycle-rickshaw, auto-rickshaw, motorized two wheeler (MTW), car and bus. Out of total trips, 44% trips are by walking, 1% by bicycling, 9.6% by cycle rickshaw, 21% by auto rickshaw, 11% by buses, 4% by MTW and 9.4% by cars (Goel & Tiwari, 2013).

URBAN transport systems and city patterns have a natural interdependency. Land use patterns, population densities and socioeconomic characteristics influence the choice of transport systems (Tiwari, Geetam, 2007). Urban travel in Indian cities is dominated by walking, cycling and public transport trips, including those by intermediate public transport (IPT).

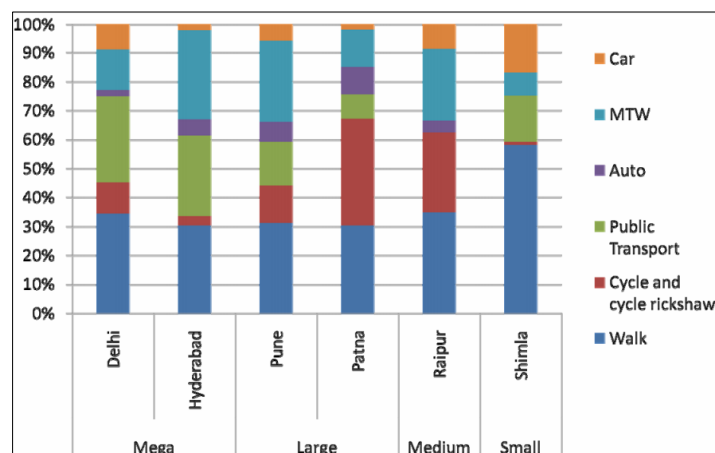


FIGURE 11: MODAL SHARE IN INDIAN CITIES

Source: (Data Collected from various sources)

Unlike cities in the developed world, majority of Indian cities has nearly 50% mode share of non-motorized transport which includes walking and bicycling (Figure 11). Indian cities have a medium density development of middle income groups and mixed land use patterns, which results in short trip lengths (Tiwari, Geetam, 2007). Therefore, more than half last mile trips have been carried out using non-motorized modes (i.e. walking, bicycling and cycle rickshaws) (Tiwari & Jain, 2015).

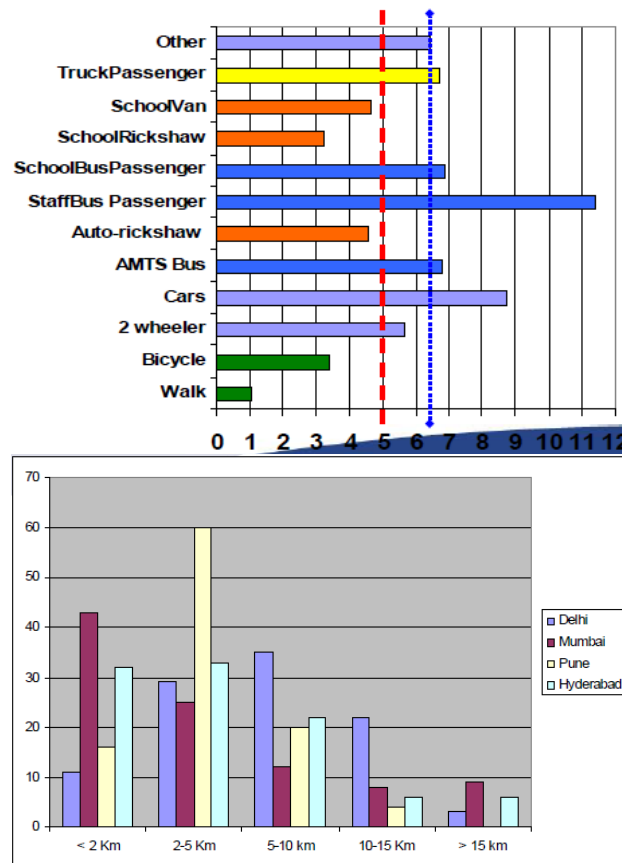


FIGURE 12: MODE-WISE AVERAGE TRIP LENGTH

Trip lengths in major Indian cities are shown in Figure 12. The graph indicates that more than 50% of trips are less than 3km and 85% of trips are less than 10km long (Tiwari & Jain, 2015). According to a survey of households conducted by RITES in 2007-08, only 20% of all the trips in Delhi are more than 10 km long. Figure on the right above shows the mode wise average trip length. Therefore, for trips which are less than 3km which are also more than 50% of total trips, walking and bicycling are the most suitable mode of transport (Tiwari & Jain, 2015). Despite a high share of walk trips and by non-motorised trips, the transport infrastructure does not include any facilities for these modes in any city transport plans (Tiwari, Geetam, 2007).

Also, vehicle ownership in India clearly shows that 35-60% of population owns the bicycle and 25% - 35% population owns no vehicle. (bicycle: 35% – 60%, 2W: 32% – 55%, 4W: 2% – 8%, no vehicle: 25% – 35% (Census, 2011)). Higher bicycle ownership is because, unlike cities from the developed countries, bicycle users in India are mostly captive users. They don't have any other choice, but to use bicycle for their daily trips. A large proportion of the urban population living in informal settlements is a captive user of low cost travel modes (walking and bicycles) because many of these residents cannot afford to pay for their trips (Tiwari, Geetam, 2007).

Therefore, planning non-motorized infrastructure (for bicycling and walking modes) along the transit stations, for last mile connectivity, may be the most suitable option in Indian scenario.

Additionally, modifying transit operations to suit short trip lengths may attract higher usage. Bus Rapid Transit System (BRTS) has two kinds of operations open BRTS and closed BRTS. Bus operational speed in open BRTS are approximately 25% less than closed BRTS, but higher

operational speeds do not help offset passenger transfer delays for short trips (Gandhi, Tiwari, & Fazio, 2013). Therefore, for shorter trips (less than 10km), changing from closed system to open system can help to achieve higher passenger speed and reduction in journey time by minimizing transfer delays. Open BRTS system also helps to increase the catchment area of transit system and further reduces dependency on feeder system.

2.5 Proposed Last Mile Connectivity Strategies for Rajkot

A number of proposed urban transport strategies for Rajkot have been listed in existing reports such as the Low Carbon Mobility Plan (LCMP, 2014), and the proposal for development of bicycle sharing plan for the city (ICLEI, 2015). Of these, last mile connectivity strategies need to be evaluated in the light of both Indian and International experiences and in the light of expected outcome of analysis of data that has been collected so far (presented in the following sections of the report).

'Prefeasibility Study and Business Plan for Public Bicycle Sharing System in Rajkot City' report was prepared by ICLEI, SA for Rajkot Municipal corporation. The report focused on Public bicycle sharing planning for Rajkot city. Methodology of the report comprized of understanding the existing traffic scenario and existing public transit systems/modes including Rajpath Bus Rapid Transit System (BRTS), Rajkot Municipal Transport Service (RMTS), existing Public bicycle sharing (PBS) in the city. The report focused on bicycle demand analysis on various roads and junctions in the city. With help of area wise bicycle demand analysis, phisical planning for Public bicycle sharing has been recommended in the report including location of stations, placement of stations, PBS technology, etc. The report also recomended the financial proposal for PBS projects including capital cost, operational cost, revenue generation, advertisement revenue, net cost and profit for Rajkot city. The last part of the report suggested the Business models for PBS projects including different types of models like Non-profit organization, City owned and operated model, Government owned private operated model, Annuity concession model, etc.

Rajkot as one of the emerging urban centers has begun exploring various measures to reduce the stress on transport infrastructure like providing high quality bus system (Rajkot Rajpath Limited) including BRT, NMT facilities like cycle tracks and recent Bicycle rental scheme. Approximately 10% of trips made in Rajkot are by bicycle, this can become basis to assume potential for future shift towards higher bicycle usage (ICLEI, 2015).

The pre-feasibility and business plan report for bicycle sharing in Rajkot includes a number of recommendations for developing, financing and perating a bicycle sharing system in the city. However it does not dub this system as a specific last mile option for Rajkot BRTS. It proposes the system as a standalone mobility solution for the entire city. The study does propose development of bicyce sharing stations along the Kalawad road, which is one of the major streets connecting the BRT corridor to the core city. This leaves the possibility open that the proposed bicycle sharing system may be used as a last mile connectivity option for Rajkot BRTS along atleast one corridor. Brief recommendations from these proposal have been listed below.

Recommendations for PBS in Rajkot

Total four recommendations have been mentioned in the report including Phase wise implementation, Station locations, Site selection criterias for stations, Bicycle locking systems for PBS and Bicycle and station design for PBS.

1. *Phase wise implementation*: PBS system is proposed for RMC with an area of 129 sq.m. Details of phase wise development has been presented in Table 6 below.

TABLE 6: PHASING PLAN FOR PUBLIC BICYCLE SHARING

| Phase of the system | Pan city (Single phase) | Phase 1 | Phase 2 | Phase 3 | Phase 4 |
|-----------------------------|-------------------------|---------|---------|---------|---------|
| Demand for bicycles (trips) | 11540 | 500 | 4000 | 3000 | 3000 |

| Phase of the system | Pan city (Single phase) | Phase 1 | Phase 2 | Phase 3 | Phase 4 |
|---|-------------------------|--|-----------------|-----------------|-----------------|
| and supply generated) | | | | | |
| Average Density of stations (per sq km) | 13 | 2.5 (majority of stations located in central area) | 10 | 12 | 13 |
| Cost | INR 1,195,283,050 | INR 58,521,250 | INR 468,170,000 | INR 351,127,500 | INR 351,127,500 |
| Implementation Timeline | 6 Months | 3 months | 3 Months | 3 Months | 2 Months |

Source: (ICLEI, 2015)

2. *PBS station locations:* Out of total 75 proposed PBS stations, 40 stations have been proposed to be developed as a part of phase 1 development. Location of these stations has been identified based on availability of land space and can be potentially located on Municipal corporation premises along bus stations or parks or near shopping centers. These stations are located in major wards with important locations like central markets, bus stations, railways station and on average each station is located every 300 meters in the city. Name and their Locations of proposed 40 PBS stations has been presented in Table 7 and Figure 13 respectively.

TABLE 7: PROPOSED 40 PBS STOPS IN RAJKOT

| Station code | Station name | Station code | Station name |
|--------------|---|--------------|---|
| 1 | Bigbazaar or RMC BRT Bicycle station | 21 | Astron Chowk Bicycle station |
| 2 | Mahadev Temple garden Bicycle station | 22 | Rajkumar college Bicycle station – near vivekanand statue, yagnik road junction |
| 3 | Atmiya college Bicycle station | 23 | Moti tanki chowk Bicycle station |
| 4 | Crystal mall station | 24 | Bhaktinagar circle Bicycle station |
| 5 | Kalawad road BRT Bicycle station | 25 | Hotel sarovar Bicycle station |
| 6 | Jaddus and Regenta Hotel Bicycle station | 26 | Civil hospital Bicycle station |
| 7 | Indira circle Bicycle station | 27 | Grand Thakar Bicycle station |
| 8 | Natraj Nagar park Bicycle station | 28 | Race course road station – jilla panchayat chowk |
| 9 | Panchyat Chowk | 29 | Passport sevakendra Bicycle station (nagrik bank chowk) |
| 10 | Akashvani chown near SNK school | 30 | AV parekh technical institute Bicycle station |
| 11 | Swami narayan mandir or Mahila college Bicycle station | 31 | Raiya Telephone exchange Bicycle station |
| 12 | Kotecha circle station | 32 | Ramdev pir chowk Bicycle station |
| 13 | Reliance mart Bicycle station | 33 | Existing rental station@Gondal Chowk |
| 14 | State transport bus stand Bicycle station | 34 | Sorathiwadi Circle Harihar Chowk Bicycle station |
| 15 | Trikon Baug Bicycle station | 35 | Malviya Chowk Bicycle station |
| 16 | Kishanpara chowk Bicycle station(existing rental station) | 36 | Astron society Bicycle station |

| Station code | Station name | Station code | Station name |
|--------------|--|--------------|-------------------------------------|
| 17 | Jubilee baug Bicycle station | 37 | Goverdhan chowk Bicycle station |
| 18 | Rajkot Railway station Bicycle station | 38 | Ambedkar chowk Bicycle station |
| 19 | Hotel imperial palace Bicycle station | 39 | Bakti nagar society Bicycle station |
| 20 | Dharmendra Arts college Station | 40 | Hotel Grand Regency Bicycle station |

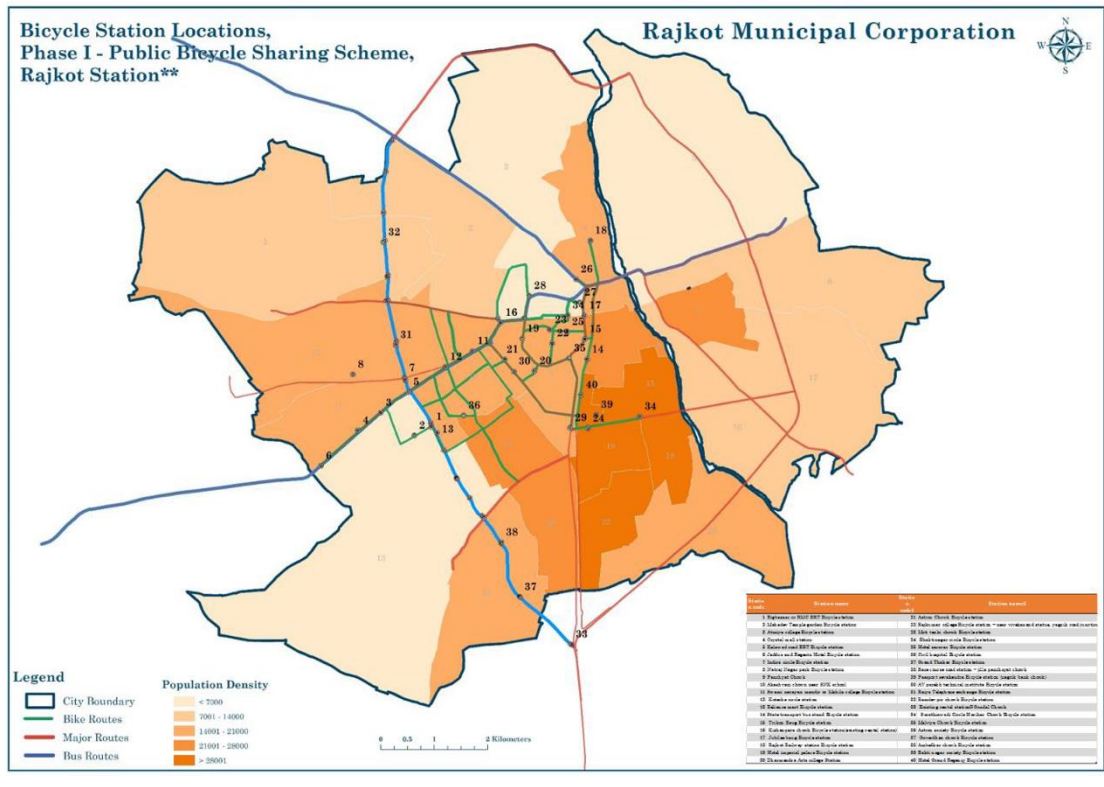


FIGURE 13: LOCATION MAP FOR IDENTIFIED POTENTIAL BICYCLE STATIONS IN RAJKOT

Source: (ICLEI, 2015)

- 3. Placement of Stations:** Placement of PBS stations has been determined according to visibility and availability of land space. Most of the PBS stations have been proposed by crating extra space along footpath which makes them more visible to the commuters. Recommendations for placement of PBS stations has been listed below (ICLEI, 2015):

 - Sites should have unrestricted public access at all times.
 - Sites should ensure maximum visibility and access.
 - Sites must not impede any existing modes including sidewalks, traffic lanes, bus stops and emergency access.
 - Sites need to meet the necessary solar (or non-solar) and cellular signal requirements specified by the equipment vendor.
 - Sites should consider access for installation and for regular maintenance and rebalancing.
- 4. PBS Technology:** Study recommended the fully automated Bicycle sharing system to achieve safe, efficient, reliable and seamless PBS system for city population. Automated system included locking system having dock out and sock in bicycles with use of smartcards or smart sticks. Payments will be paid through online and all the grievances can be resolved through mobile app or similar software. System also allows to collect usage and performance data which help operator to identify gaps, issues in system and also helps in dynamic demand of bicycles where

operator can quickly realize the absence of bicycle at docks and add them through maintenance van.

5. *Project components*: The study provided recommendations for the uni-sex bicycles design, PBS shelter design and Terminal/kiosk design.

Project cost and revenue estimation:

Project cost and revenue generation estimate has calculated in the report. Details of the cost and revenue has been discussed below.

1. *Capital Cost*: Cost estimation for proposed PBS system has been provided in the report. Cost has been calculated, for construction and maintenance for 5 years, based on actual demand and phase wise implementation strategy. Capital cost for PBS system has been presented in Table 8.

TABLE 8: CAPITAL COST FOR RAJKOT PBS SCHEME

| Component | Number (Total demand) | Rate* (INR) | Amount (INR) | Number (Phase 1) | Rate* (INR) | Amount (INR) |
|--|--------------------------|------------------------|----------------------|---------------------|----------------|-------------------|
| Cycles | 11540 | 8,000 | 92,320,000 | 500 | 8,000 | 4,000,000 |
| Docking station with docking points and advertising space and security cabin | 1731 | 500,000 | 865,500,000 | 75 | 500,000 | 37,500,000 |
| Control centre and maintenance centre | 6 | 3,500,000 | 21,000,000 | 1 | 3,500,000 | 3,500,000 |
| Software, website and mobile app design and maintenance for 5 years | 1 | 2,000,000 | 2,000,000 | 1 | 2,000,000 | 2,000,000 |
| Access cards | 11540 | 250 | 2,885,000 | 500 | 250 | 125,000 |
| Total equipment cost | | | 983,705,000 | | | 47,125,000 |
| Redistribution and maintenance vehicles | 10 | 500,000 | 5,000,000 | 3 | 500,000 | 1,500,000 |
| Marketing expenses | 1 | 1% of total equip cost | 9,837,050 | 1 | 1% | 471,250 |
| VAT | 1 | 5% of total cost | 49,185,250 | 1 | 5% | 2,356,250 |
| Installation | 1 | 5% of total cost | 49,185,250 | 1 | 5% | 2,356,250 |
| Transport | 1 | 10% of total cost | 98,370,500 | 1 | 10% | 4,712,500 |
| Total Capital cost | | | 1,195,283,050 | | | 58,521,250 |

Source: (ICLEI, 2015)

2. *User fee and membership fare*: User fee and membership fare for Rajkot bicycle share has been divided into three parts which are One Annual membership option, monthly membership option and option for non member or one-time users. Details of user fee and membership fare has been presented in Table 9.

TABLE 9: USER FEE AND MEMBERSHIP SUBSCRIPTION FOR RAJKOT PBS

| Category | Annual membership | Monthly subscription | Non-members or one time users |
|--|-------------------|----------------------|------------------------------------|
| User charges | 800 | 100 | 300 as refundable security deposit |
| 1st Hour | Free | Free | Free |
| 2nd Hour | 5 | 5 | 10 |
| Additional hours | 10 | 10 | 15 |
| 5% increase in tariff after 5 years for every year | | | |

Source: (ICLEI, 2015)

3. *Advertisement Revenue:* The proposed PBS station area can enable an average of 100 to 150 sq ft of advertisement panel space with one side dedicated to Bicycle sharing station map in each station with rest of space available for commercial advertisement. Based on assumption advertisement revenue has been calculated and same has been presented in Table 10.

TABLE 10: ADVERTISEMENT REVENUE FROM BICYCLE STATIONS

| | Number of total stations | Space available at each station (Sq ft) | Cost per sq.ft per month basis (INR) | Revenue per station per month (INR) | Revenue per station per year (INR) | Total revenue per year (INR) |
|-----------------------|--------------------------|---|--------------------------------------|-------------------------------------|------------------------------------|------------------------------|
| Ideal demand scenario | 1731 | 100 | 150 | 15,000 | 180,000 | 311,580,000 |
| Phase 1 | 75 | 100 | 150 | 15,000 | 180,000 | 13,500,000 |

Source: (ICLEI, 2015)

2.6 Case studies and best practices of electric mobility in developing countries

2.6.1 Electric bus market in India

The following projects with electric buses have been sanctioned in India (UITP India, 2018):

1. Navi Mumbai Municipal Transport: NMMT has placed an order with Volvo to procure 8400 Hybrid City Bus. Volvo has delivered 5 buses under this contract to NMMT. The Volvo 8400 Hybrid Bus also complies with the central government's Faster Adoption & Manufacturing of Electric and hybrid vehicle (FAME) scheme that has helped provide a subsidy of ₹ 6.1 million (US\$ 100,000) on the total cost of ₹ 23 million (US\$ 375,000)
2. Mumbai Metropolitan Region Development Authority: MMRDA is procuring 25 Hybrid buses from Tata Motors. Tata Starbus Diesel Series Hybrid Electric Bus can run without the requirement of external charging infrastructures, due to integration of on-board charging, via a BSIV compliant engine and energy storage through advanced Lithium Ion Nano-Phosphate Batteries.
3. BEST Mumbai has received funding for the retro-fitment of 6 buses and procurement of 30 seater six electric busses with a range of 210 km. BEST has placed an order for retro-fitment with AV Motors and Impact Automotive Solutions Limited (a subsidiary of KPIT) with a grant of ₹ 100 million from the Brihanmumbai Municipal Corporation (BMC). Further, the corporation has placed an order with BYD-Goldstone and will be used the buses as feeder services to the train and metro stations.
4. Himachal Road Transport Corporation has received sanction from DHI to produce 25 full electric 6 seater busses. The corporation has conducted 10 days trial of midi electric

bus in Manali-Rohtang pass and is quite convinced with electric bus technology at such high altitude of 13,000 ft. The state has also granted exemption from token tax, registration charges and value-added tax on all electric vehicles for five years to promote eco-friendly transport services in the state.

5. Bangalore Metropolitan Transport Corporation's: BMTC has also submitted proposal with DHI to procure 150 electric buses on PPP model. BMTC has proposed to set up an exclusive depot for the electric buses with the required infrastructure, which would include battery rechargeable points and well-equipped workshops. According to the Hindu, the bidding process to select a private operator for 150 e-buses has been completed. The first phase will see the introduction of 40 e-buses. The buses will have a seating capacity of 42 and operate for 200 km per day (The Hindu, 2018).
6. Thane Municipal Transport: TMT has approved the plan to introduce 100 electric buses on PPP model. The private operator will purchase and operate these buses for 10 year on selected routes. The operator will have the first right to select the routes. TMT banner and the ticket rates will be the same as approved by the Metropolitan Transport Authority. According to times of India, tests are running. Service will start with 10 buses and later expand to 100 vehicles with a seating capacity of 32 over a period of five years (The Times of India, 2018).



FIGURE 14: ELECTRIC BUSES IN INDIA

Source: (UITP India, 2018)

According to the ZeEUS eBus report (UITP Europe, 2017), in June 2017, India's leading bus and truck manufacturer, Ashok Leyland, tested 'Circuit', the first fully-electric bus made in India for the Metropolitan Transport Corporation (MTC) in Chennai. As of July 2017, Ashok Leyland also announced a strategic partnership with SUN Mobility to develop a battery-swapping system for e-buses in an initial step for intra-city buses. Tata Motors completed its first commercial pilot of an electric bus in April 2017. JBM Solaris, the joint venture between JBM Auto and Solaris is planning to manufacture India's first 100% electric buses, called Ecolife (UITP Europe, 2017). Production will commence in 2017 at Kosi, Uttar Pradesh. In Nagpur (Maharashtra), the leading utility vehicle manufacture Mahindra and app-based taxi service provider Ola Caps entered into a partnership with the Indian government to introduce 200 electric vehicles (buses, cars, taxis and rickshaws) using the Ola platform. The pilot project also includes installation of over 50 charging stations across the city to support the pilot (UITP Europe, 2017). In September 2017, Shri Nitin Gadkari, Union Minister for Road Transport and Highways, announced the launch of a fleet of electric buses, taxis, cars and rickshaws in Gurgaon by the end of the year. The fleet will be operated by Treasure Vase Ventures Private Ltd, in partnership with Delhi Metro (UITP Europe, 2017).

2.6.2 Electric bus market in other developing countries

The last decade has seen progressive and positive developments in e-bus technology, led mainly by China, closely followed by Europe and the USA (UITP Europe, 2017). However, various developing countries are also joining the transition to the electrification of bus systems. Ivory Coast, Uruguay and Brazil are expected to be the early adopters of electric buses in developing countries in Africa and Latin-America regions. In Brazil, the city of Campinas acquired 10 electric buses, making it the largest fleet in Brazil. Besides Campinas, Curitiba and the Federal District of Brazil also operate electric buses (UITP Europe, 2017).

2.7 Case studies and best practices in electrification of last mile modes

2.7.1 PubliBike (bike sharing)

PubliBike is a bike sharing system in Switzerland that provides bike sharing facilities which are typically close to public transportation stations. Besides conventional bikes, e-bikes are also available to slightly higher prices. The national railway as well as one of the main bus companies are involved in the project allowing for an optimal connection of the bike sharing network to public transport (PubliBike, 2018).

2.7.2 Mobility (car sharing)

Mobility is a car sharing concept in Switzerland at 1'500 public transport stations which includes electric cars and electric motor bikes. Vehicles can be reserved via internet, smartphone app or via phone at any time. Vehicles are being unlocked by a keycard. The same keycard can also be used as a subscription for public transport throughout all of Switzerland (mobility, 2018).

2.8 Case studies and best practices in electrification of BRT fleet

Although fully battery driven electric buses are a relatively new technology and market shares of electric buses are still small, in recent years many bus operators have launched pilots with electric buses or have already replaced parts of their diesel bus fleet with electric buses. To allow for a comprehensive view of this young and very dynamic market, the following case studies vary regarding charging strategy, technology or vehicle and fleet size. However, to narrow down the case studies, all examples are at least regarding one aspect comparable to Rajkot. The italic aspects are comparable to Rajkot.

TABLE 11: BEST PRACTICE - LONDON

| London, UK – Regular Operation | | | |
|--------------------------------|---------------------------------|----------------------------------|-------------------|
| Vehicle specifications | | Line specifications | |
| Brand and model: | BYD / ADL Enviro 200EV | Route number | 507 / 521 |
| Length: | 12m | Typology of the line | <i>flat</i> |
| Passenger capacity: | 86 | Length of the bus line | <i>11 km</i> |
| Charging strategy | Overnight charging at the depot | Average speed | 12 km / h |
| Charging technology | Plug-in | Total km driven / vehicle / day: | <i>150-250 km</i> |
| Battery capacity | 324 kWh | Total daily hours of operation | <i>16 h</i> |

SOURCE: (UITP Europe, 2017)

TABLE 12: BEST PRACTICE – BRAUNSCHWEIG. SOURCE: (UITP Europe, 2017)

| Braunschweig, Germany – Research Project | | | |
|---|---|----------------------------------|-----------|
| Vehicle specifications | | Line specifications | |
| Brand and model: | Solaris Urbino | Route number | 1 |
| Length: | 12m and 18m | Typology of the line | moderate |
| Passenger capacity: | 78 and 123 | Length of the bus line | 12 km |
| Charging strategy | Opportunity charging at the terminal (8-10') and at selected bus stops (1-2') | Average speed | 23 km / h |
| Charging technology | inductive charging | Total km driven / vehicle / day: | 250 km |
| Battery capacity | 60 and 90 kWh | Total daily hours of operation | 18h |

TABLE 13: BEST PRACTICE – COPENHAGEN. SOURCE: (UITP Europe, 2017)

| Copenhagen, Denmark - Pilot | | | |
|------------------------------------|---------------------------------|----------------------------------|------------------|
| Vehicle specifications | | Line specifications | |
| Brand and model: | BYD K9 | Route number | 141/149 |
| Length: | 12m | Typology of the line | flat |
| Passenger capacity: | 61 | Length of the bus line | 10.8 km / 9.1 km |
| Charging strategy | Overnight charging at the depot | Average speed | 22 km / h |
| Charging technology | Plug-in | Total km driven / vehicle / day: | 210 - 260 km |
| Battery capacity | 324 kWh | Total daily hours of operation | 17h |

TABLE 14: BEST PRACTICE – WARSAW. SOURCE: (UITP Europe, 2017)

| Warsaw, Poland - Pilot | | | |
|-------------------------------|---------------------------------|----------------------------------|--------------|
| Vehicle specifications | | Line specifications | |
| Brand and model: | Solaris Urbino and BYD K9 | Route number | 222 |
| Length: | 12m | Typology of the line | moderate |
| Passenger capacity: | 70 and 60 | Length of the bus line | 10 km |
| Charging strategy | Overnight charging at the depot | Average speed | 12 km / h |
| Charging technology | Plug-in | Total km driven / vehicle / day: | 160 - 200 km |
| Battery capacity | 208 and 324 kWh | Total daily hours of operation | 15 - 17h |

Electric buses for BRT are either being tested or already in operation in the following cities:

1. Albuquerque, USA: The city of Albuquerque launched an all-electric BRT-line in February 2018 with a fleet of 18 e-buses with the goal to become a pioneer for a more sustainable, efficient and affordable means of urban mass transit (Curbed, 2017).
2. Kuala Lumpur, Malaysia: The BRT-Sunway Line in the city of Kuala Lumpur has 3 miles of elevated route through the city and will be operated by 15 electric buses supplied by BYD. The BYD buses can go up to about 250 km on a single charge, taking up to 67 passengers (InsideEVs, 2015).
3. Boston, USA: The Silver Line is the BRT system of the Massachusetts Bay Transportation Authority (MBTA). In addition to the operating trolleybuses, MBTA plans to introduce five additional all-electric battery-powered buses in 2018 for the Chelsea extension of the Silver Line (Wikipedia, 2018).
4. Stockton, USA: San Joaquin Regional Transit District has announced the launch of America's first 100% electric BRT route in August 2017 and plans to launch a second all-electric BRT route in January 2018. By 2025, all routes serving the city of Stockton are planned to be converted to 100 percent electric buses (InsideEVs, 2017).

3 Data Collection and Analysis

In line with the recommendations on last mile connectivity strategizing and planning process as listed in the literature review presented above, a host of data for capturing current commuter demographics, trip characteristics and catchment area details along the BRT corridor. This section provides the details of the data collected through primary surveys and secondary sources. It also presents the preliminary findings from the collected data.

3.1 Study Area

The project study area is limited to the BRT corridor and its catchment area. The catchment area of BRT corridor has two definitions. The first definition refers to the immediate zone of influence with walk access to the corridor – this zone is 0.5km on either side of the corridor along the length of the stretch. The second definition is the area which attracts commuting trips on the BRT corridor either as a part or a whole. This area is more difficult to delineate and the same is attempted through an origin-destination (O-D survey) as presented in the subsequent sections of the corridor. Considering this, the study is limited to understanding of traffic demand and characteristic on the corridor and on the (formal) feeder network, i.e. RMTS routes to the corridor. For this purpose only the routes that intersect or run parallel to the corridor have been considered as a part of the study area and thus data collection has been limited to these only.

3.2 Secondary Data

Secondary data of BRTS buses and city buses was sought for BRTS and city buses from RMC with the help of Mr. Ankit Makwana, who is the local resource from ICLEI South East Asia at Rajkot. Of the sought data 100% has been provided so far by RRL. Additionally, components of secondary data requirements which were a part of the original task list of the project have been reviewed and replaced primary surveys. Additionally secondary, observation based or anecdotal data (from the list of tasks provided by the client) considered redundant for the purpose of this study have also been replaced by more robust primary data, to strengthen the findings of the study. Notable change here is the replacement of baseline for current pedestrian and cycling movement (which is evidently a replication of stretch network information) by pedestrian and cycling pedestrian numbers (direction wise) at each junction, estimated from video recording of these junctions. All such primary data has been presented in section 3.3 of this report.

3.2.1 Data Collection and Compilation

The bus data was sought for routes travelling on or across the existing BRT corridor. These include the BRT route and 31 RMTS routes. The objective of collecting this data was to generate an understanding of the potential BRT commuters through the following:

- Trip length of bus commuters
- Major catchment area for existing bus commuters
- Demand of potential feeder trips by buses to BRT

To create this understanding the following data was sought from RRL

- a) Daily or monthly Passenger trips with breakup as per trip length or ticket category, and journey start point (ticket sale point/station).
- b) Any one peak hour Passenger trips data with breakup as per direction, trip length or ticket category, and journey start point (ticket sale point).
- c) Any other BRT passenger related studies or data available, such as that which contains information on passenger and trip characteristics.

Of the sought data, nearly 100% has been collected and analyzed. The details of the data sought from RRL and RMTS and the data already collected is presented in Table 15.

TABLE 15: LIST OF SECONDARY DATA COLLECTED

| S. No. | Data Type | Data Sought from RMC | Data Collected so far |
|--------|--------------------------------|--|-----------------------|
| 1. | Secondary Data from RMTS | Route-wise Ticketing Information - RMTS | All collected |
| 2. | Secondary Data from RMTS | Daily Route wise – Station wise Ridership RMTS | All collected |
| 3. | Secondary Data from RMTS | Daily Route-wise Ridership RMTS | All collected |
| 4. | Secondary Data from RMTS | Route-wise Ridership RMTS | All collected |
| 5. | Secondary Data from RMTS | Route-wise RMTS Details | All collected |
| 6. | Secondary Data from RMTS | Speed Analysis Report - RMTS | All collected |
| 7. | Secondary Data from RMTS & RRL | Route-wise Fare Matrix - RMTS | All collected |
| 8. | Secondary Data from RMTS & RRL | Route-wise time schedule - RMTS | All collected |
| 9. | Secondary Data from RRL | Passenger Information - RMTS | All collected |
| 9. | Secondary Data from RRL | Route-wise Fare Matrix - BRTS | All collected |
| 10. | Secondary Data from RRL | Route-wise time schedule - BRTS | All collected |
| 11. | Secondary Data from RRL | Speed Analysis Report - BRTS | All collected |
| 12. | Secondary Data from RRL | Daily Ridership RMTS | All collected |
| 13. | Secondary Data from RRL | Ticketing Information - BRTS | All collected |

3.2.2 Data Collection and Compilation of Electrification of Buses

The choice of the appropriate charging strategy and technology depends on various factors, such as vehicle size, fleet size, required range etc. The following Table 16 contains the most important characteristics of the BRTS in Rajkot regarding a potential electrification.

TABLE 16: RELEVANT FACTORS FOR ELECTRIFICATION OF BRT-CORRIDOR

| | |
|------------------------------------|---|
| Bus length | 12 m |
| Fleet size | 10+1 |
| Daily distance per vehicle and day | Ca. 250 km |
| Number of bus stations | 18 |
| Bus depot | 1 |
| Operating hours | 6 am – 11 pm (17 hours) |
| Frequency: | 7/8 min (peak hours) 10 min (off peak) |

3.2.3 Analysis

The secondary data collected is primarily operational data for RMTS and RRL. The project team has started analyzing the data and in the ticketing information. The team now has the knowledge about the total tickets that are being sold daily from each bus stop, for the routes for which data has been provided. Distance between the stops on each of the routes has been determined and included in the analysis. The location of stops/stations has been marked on Google Earth, to provide a spatial understanding of the catchment area. Ticketing data for each day has been arranged in a matrix with station names in rows and columns in Figure 15.

Inclusion of number of boarding and alighting passengers in this matrix, provides a clear picture of average trip length, loading between stations and major catchment areas.

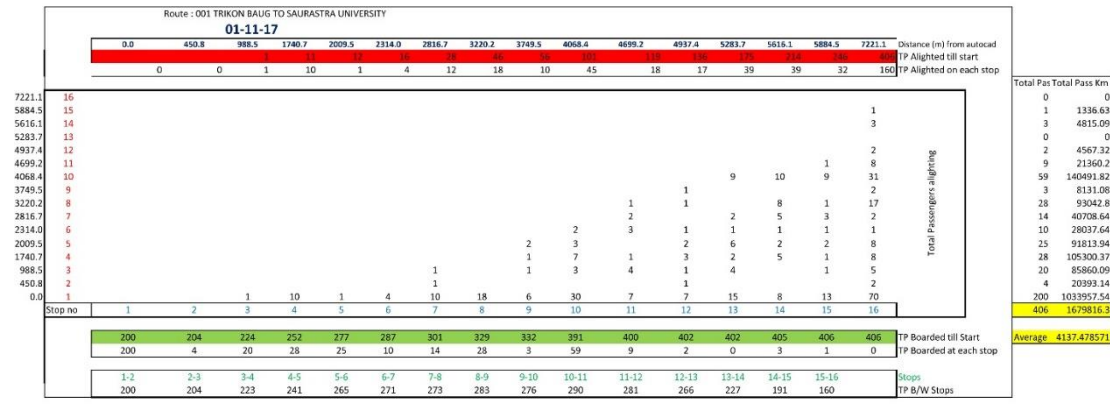


FIGURE 15: PASSENGER MATRIX

The same has been analyzed for 31 routes, passing through BRTS. The next step would be to derive total trips for the same three working days i.e. 1.11.2017 - 3.11.2017, to calculate route wise per day passenger volume between the bus stops. This data divided by the number of trips undertaken, yields route wise average per trip passenger volume, occupancy between stations, average trip length and boarding/alighting volumes at each station. This provides an assessment of catchment area for the BRT corridor and also provides details of trip length specific to station or catchment area.

In the speed information data, we were provided with the speed of bus at particular time and location for four consecutive working days. From this, we analyzed the hourly average speed and the daily average speed of the bus for a particular route. The same will be done for all the routes once we get the data. The findings for each of these have been presented below:

3.2.3.1 Route Length and Distance Between Stations

BRT corridor and RMTS routes of interest (31 routes crossing BRT corridor) have been plotted on Google earth along with the location of their stations. This provides the details of route length and average station spacing. The average route length for the 31 RMTS routes is 16.28 km. The lowest route length is 6.29 km for route number 27, while the highest route length is 31.76 km for route number 9. The route length for BRT is the same as the corridor length which is 10.7 km. Table 17 Presents the details of all RMTS and RRL (BRT) routes with information of the end (terminating) points, total number of station and the route length.

TABLE 17: RMTS ROUTES

| Route No. | Origin | Destination | Route length | No. of Stops |
|-------------|---------------------------|--------------------------|--------------|--------------|
| RMTS | | | | |
| 1 | Trikon Bag | Saurashtra University | 7.22 | 16 |
| 2 | Raiya Gaam | Shree S.N Shukla College | 16.47 | 32 |
| 3 | Madhapar Chokdi | Jivraj Park | 18.78 | 39 |
| 5 | Raiya Gaam | Tramba Gaam | 22.00 | 36 |
| 7 | Bhaktinagar Circle | Bajarangvadi Circle | 9.66 | 25 |
| 8 | Labhubhai Trivedi College | Greenland Chowkdi | 14.01 | 24 |
| 9 | Saurashtra University | Arpit Eng. College | 31.76 | 45 |
| 11 | Trikon Baug | Shapar Veraval | 15.61 | 18 |
| 16 | Kothariya Gaam | Saurashtra University | 16.55 | 35 |
| 17 | Saurashtra University | Tramba Gaam | 22.49 | 36 |

| Route No. | Origin | Destination | Route length | No. of Stops |
|----------------|-------------------------------|--------------------------|--------------|--------------|
| 19 | Vavdi Gaam | Slum Quarter | 12.17 | 27 |
| 20 | Ghanteshvar SRP Camp | Shapar Veraval | 25.65 | 38 |
| 21 | Bajrangwadi Circle | Ratanpar Gaam | 24.27 | 38 |
| 23 | Mavadi Gaam | Shree H.N Shukla College | 16.26 | 30 |
| 24 | Trikon Baug | GIDC Gate-3 | 16.56 | 29 |
| 25 | Julelal Mandir | Jivraj Park | 12.81 | 30 |
| 26 | Punit Nagar | Quarter | 10.54 | 25 |
| 27 | Trikon Baug | Raiyadhar Slum Quarter | 6.29 | 18 |
| 28 | Gujarat Housing Board Quarter | Jivraj Park | 14.45 | 31 |
| 35 | Trikon Baug | Shapar Veraval | 15.79 | 22 |
| 38 | Aaji Dam | Madhapar Gaam Gate | 15.20 | 29 |
| 40 | Saurashtra University | Santoshi Nagar | 13.63 | 27 |
| 41 | Bhakti Nagar Circle | Gangotri Park | 9.66 | 22 |
| 42 | Greenland Chowkdi | Jivraj Park | 13.61 | 28 |
| 43 | OM Residency | Akshar Vatika | 14.93 | 31 |
| 45 | Saurashtra University | Ratanpar Gaam | 24.67 | 36 |
| 47 | Kothariya Gaam | Saurashtra University | 13.94 | 29 |
| 51 | G-Company SRP | Punit Nagar | 17.58 | 37 |
| 54 | Kothariya Chowkdi | SRP Camp G-Company | 17.60 | 39 |
| 55 | Gondal Chowkdi | Ratanpar Gaam | 22.88 | 32 |
| 57 | Trikon Baug | Govt. Eng. College | 11.63 | 21 |
| BRTS | | | | |
| Gondal Chowkdi | | Madhapar Chowk | 10.70 | 18 |

Average spacing between RMTS stations (average for all routes) is 560m. The lowest average station spacing is for route no. 27 which is at 370m from Trikon baug to Raiyadhar slum quarter, while the highest average station spacing is for route number 11 which is 918m from Trikon baug to Shapar veraval Stations. The lowest distance between stations is 100m between OM Residency to Akshar Vatika stations on route number 43. Similarly, the average station spacing on BRT corridor is 615m. The maximum distance is between West Zone and Indira Circle stations at 950m, while the minimum distance is between Mavdi chowk and Om Nagar stations at 400m. The average, minimum and maximum station spacing for both RMTS routes and BRT corridor has been presented in Table 18. Figure 16 presents the routes and the BRT corridor marked on Google Earth map.

TABLE 18: RMTS STATION SPACING

| RMTS | | | |
|-------------|-----------------|---------|---------|
| Route No | Average Spacing | Maximum | Minimum |
| 1 | 481 | 1340 | 240 |
| 2 | 531 | 2680 | 121 |
| 3 | 494 | 1300 | 158 |
| 5 | 629 | 3550 | 120 |
| 7 | 402 | 720 | 230 |

| RMTS | | | |
|-------------|-----------------|---------|---------|
| Route No | Average Spacing | Maximum | Minimum |
| 8 | 609 | 1650 | 162 |
| 9 | 722 | 2400 | 160 |
| 11 | 918 | 2060 | 206 |
| 16 | 487 | 1310 | 224 |
| 17 | 643 | 3560 | 128 |
| 19 | 468 | 1300 | 200 |
| 20 | 693 | 2100 | 120 |
| 21 | 656 | 2400 | 170 |
| 23 | 561 | 2700 | 160 |
| 24 | 591 | 1400 | 150 |
| 25 | 442 | 850 | 170 |
| 26 | 439 | 1400 | 190 |
| 27 | 370 | 650 | 130 |
| 28 | 482 | 1000 | 160 |
| 35 | 752 | 2100 | 260 |
| 38 | 543 | 2000 | 120 |
| 40 | 524 | 1700 | 170 |
| 41 | 460 | 1000 | 240 |
| 42 | 504 | 1200 | 160 |
| 43 | 498 | 2500 | 100 |
| 45 | 705 | 2400 | 160 |
| 47 | 498 | 1300 | 240 |
| 51 | 488 | 1600 | 120 |
| 54 | 463 | 1400 | 120 |
| 55 | 738 | 2400 | 160 |
| 57 | 582 | 2700 | 240 |
| BRTS | | | |
| BRTS | 615 | 950 | 400 |

| Route No. | Origin | Destination | Route length | No. of Stops | Avg. Trip Length |
|-----------|-------------------------------|--------------------------|--------------|--------------|------------------|
| 3 | Madhapar Chokdi | Jivraj Park | 18.78 | 39 | 5.17 |
| 5 | Raiya Gaam | Tramba Gaam | 22.00 | 36 | 7.89 |
| 7 | Bhaktinagar Circle | Bajrangvadi Circle | 9.66 | 25 | 4.39 |
| 8 | Labhubhai Trivedi College | Greenland Chowkdi | 14.01 | 24 | 5.84 |
| 9 | Saurashtra University | Arpit Eng. College | 3.76 | 45 | 11.44 |
| 11 | Trikon Baug | Shapar Veraval | 15.61 | 18 | 10.41 |
| 16 | Kothariya Gaam | Saurashtra University | 16.55 | 35 | 6.51 |
| 17 | Saurashtra University | Tramba Gaam | 22.49 | 36 | 7.73 |
| 19 | Vavdi Gaam | Slum Quarter | 12.17 | 27 | 5.19 |
| 20 | Ghanteshvar SRP Camp | Shapar Veraval | 25.65 | 38 | 7.98 |
| 21 | Bajrangvadi Circle | Ratanpar Gaam | 24.27 | 38 | 7.16 |
| 23 | Mavadi Gaam | Shree H.N Shukla College | 16.26 | 30 | 6.05 |
| 24 | Trikon Baug | GIDC Gate-3 | 16.56 | 29 | 8.73 |
| 25 | Julelal Mandir | Jivraj Park | 12.81 | 30 | 4.64 |
| 26 | Punit Nagar | Quarter | 10.54 | 25 | 3.49 |
| 27 | Trikon Baug | Raiyadhar Slum Quarter | 6.29 | 18 | 3.34 |
| 28 | Gujarat Housing Board Quarter | Jivraj Park | 14.45 | 31 | 6.00 |
| 35 | Trikon Baug | Shapar Veraval | 15.79 | 22 | 10.36 |
| 38 | Aaji Dam | Madhapar Gaam Gate | 15.20 | 29 | 5.19 |
| 40 | Saurashtra University | Santoshi Nagar | 13.63 | 27 | 4.93 |
| 41 | Bhakti Nagar Circle | Gangotri Park | 9.66 | 22 | 4.09 |
| 42 | Greenland Chowkdi | Jivraj Park | 13.61 | 28 | 5.78 |
| 43 | OM Residency | Akshar Vatika | 14.93 | 31 | 5.19 |
| 45 | Saurashtra University | Ratanpar Gaam | 24.67 | 36 | 7.55 |
| 47 | Kothariya Gaam | Saurashtra University | 13.94 | 29 | 5.39 |
| 51 | G-Company SRP | Punit Nagar | 17.58 | 37 | 6.34 |
| 54 | Kothariya Chowkdi | SRP Camp G-Company | 17.60 | 39 | 6.51 |
| 55 | Gondal Chowkdi | Ratanpar Gaam | 22.88 | 32 | 9.71 |
| 57 | Trikon Baug | Govt. Eng. College | 11.63 | 21 | 6.80 |

3.2.3.3 Average Passenger Trip Length and occupancy for BRTS Routes

BRTS electronic ticketing machine (ETM) data has been provided by RRL during the second site visit to Rajkot. Given data comprized of ticketing and passenger boarding and alighting information for each bus stop. Total length of BRTS corridor from Gondal bus station to Madhapar bus station is 10.7 km including 18 bus stations. The analysis of this data provides information of passenger trip lengths between each BRTS stations, distance between stations, daily passengers, etc. Overall average distance between the stations is 638 m. The highest distance between stations is 1140 m between West zone office and Indira circle bus station. And the lowest distance between the stations is 350 m between Mavdi and Om Nagar bus station. Analysised data also indicates that average trip length of passengers on BRTS corridor is 3.83 km. The highest and lowest passenger trip length on the corridor are 2.86 km and 6.03

km respectively. The analysis of station wise demand also allows us to estimate the station wise occupancy. Average passenger occupancy on BRTS corridor is 33.71. This indicates that on an average BRTS buses currently operate at an occupancy ratio of 0.75 (33.71/45). Highest occupancy is observed at Nana Mava bus station i.e. 44.76 with occupancy ratio of 0.99 (44.76/45). Lowest occupancy is observed at Madhapar bus station i.e. 13.00 with occupancy ratio of 0.29 (13.00/45). Average distances between stations, average passenger trip lengths and average passenger occupancy on the BRTS corridor has been presented in Table 20.

TABLE 20: AVERAGE PASSENGER TRIP LENGTHS AND OCCUPANCY ON BRTS CORRIDOR

| BRTS Bus Stations | Distances (m) | Avg Trip Length (km) | Average Occupancy |
|--------------------------|---------------|----------------------|-------------------|
| Gondal Chowk | 0 | 5.62 | 14.46 |
| Punit Nagar Society | 600 | 4.83 | 28.39 |
| Goverdhan Chowk | 640 | 3.46 | 31.77 |
| Ambedkar Nagar | 500 | 2.86 | 34.22 |
| Umiya Chowk | 600 | 3.81 | 34.51 |
| Mavadi Chowk | 600 | 3.32 | 38.99 |
| Om Nagar Chowk | 350 | 3.36 | 42.26 |
| Mahapuja Dham Chowk | 540 | 3.40 | 44.15 |
| Nana Mava Chowk | 600 | 3.87 | 44.76 |
| West Zone Office RMC | 550 | 3.33 | 44.47 |
| Indira Circle | 1140 | 3.61 | 41.80 |
| Raiya Telephone Exchange | 650 | 3.10 | 41.16 |
| Raiya Chowk | 850 | 3.40 | 39.62 |
| Nanavati Chowk | 500 | 3.52 | 35.21 |
| Ramadevpur Chowk | 700 | 3.67 | 28.89 |
| Shital Park | 500 | 3.33 | 25.42 |
| Ayodhya Chowk | 840 | 4.48 | 23.60 |
| Madhapar Chowk | 680 | 6.03 | 13.00 |
| | 10700 | | |

3.2.3.4 Average Occupancy for RMTS Routes

Average occupancy for RMTS routes crossing the BRT corridor has been derived for 31 routes for which data is available, using the matrix generated (above) for each route. These 31 routes have been selected as they have the potential to serve as feeder to the BRT corridor. The analysis shows that the average occupancy (per trip averaged for a day) for all routes analyzed is 18.30. This implies that on an average RMTS routes currently operate at an occupancy ratio of 0.57 (18.30/32). The highest average occupancy is observed for route number 57 at 46.79, which suggests an occupancy ratio of 1.46 (46.79/32), while the lowest occupancy is observed for route number 26 at 1.58, which suggests an occupancy ratio of 0.05 (1.58/32). The detailed occupancy data for each route has been presented in Table 21. A graphical representation of occupancy on each of the analyzed routes has been included in Annexure 8.5.

TABLE 21: RMTS OCCUPANCY DATA

| Route No. | Origin | Destination | Route length | No. of Stops | Average Occupancy |
|-------------|------------|-----------------------|--------------|--------------|-------------------|
| RMTS | | | | | |
| 1 | Trikon Bag | Saurashtra University | 7.22 | 16 | 15.59 |

| Route No. | Origin | Destination | Route length | No. of Stops | Average Occupancy |
|-----------|-------------------------------|--------------------------|--------------|--------------|-------------------|
| 2 | Raiya Gaam | Shree S.N Shukla College | 16.47 | 32 | 16.09 |
| 3 | Madhapar Chokdi | Jivraj Park | 18.78 | 39 | 8.55 |
| 5 | Raiya Gaam | Tramba Gaam | 22.00 | 36 | 32.90 |
| 7 | Bhaktinagar Circle | Bajarangvadi Circle | 9.66 | 25 | 15.96 |
| 8 | Labhubhai Trivedi College | Greenland Chowkdi | 14.01 | 24 | 18.56 |
| 9 | Saurashtra University | Arpit Eng. College | 31.76 | 45 | 21.18 |
| 11 | Trikon Baug | Shapar Veraval | 15.61 | 18 | 19.76 |
| 16 | Kothariya Gaam | Saurashtra University | 16.55 | 35 | 19.62 |
| 17 | Saurashtra University | Tramba Gaam | 22.49 | 36 | 25.14 |
| 19 | Vavdi Gaam | Slum Quarter | 12.17 | 27 | 9.12 |
| 20 | Ghanteshvar SRP Camp | Shapar Veraval | 25.65 | 38 | 20.90 |
| 21 | Bajrangwadi Circle | Ratanpar Gaam | 24.27 | 38 | 3.58 |
| 23 | Mavadi Gaam | Shree H.N Shukla College | 16.26 | 30 | 17.69 |
| 24 | Trikon Baug | GIDC Gate-3 | 16.56 | 29 | 20.97 |
| 25 | Julelal Mandir | Jivraj Park | 12.81 | 30 | 8.32 |
| 26 | Punit Nagar | Quarter | 10.54 | 25 | 1.58 |
| 27 | Trikon Baug | Raiyadhar Slum Quarter | 6.29 | 18 | 13.56 |
| 28 | Gujarat Housing Board Quarter | Jivraj Park | 14.45 | 31 | 16.50 |
| 35 | Trikon Baug | Shapar Veraval | 15.79 | 22 | 32.76 |
| 38 | Aaji Dam | Madhapar Gaam Gate | 15.20 | 29 | 11.18 |
| 40 | Saurashtra University | Santoshi Nagar | 13.63 | 27 | 14.15 |
| 41 | Bhakti Nagar Circle | Gangotri Park | 9.66 | 22 | 12.04 |
| 42 | Greenland Chowkdi | Jivraj Park | 13.61 | 28 | 19.43 |
| 43 | OM Residency | Akshar Vatika | 14.93 | 31 | 14.96 |
| 45 | Saurashtra University | Ratanpar Gaam | 24.67 | 36 | 23.32 |
| 47 | Kothariya Gaam | Saurashtra University | 13.94 | 29 | 21.27 |
| 51 | G-Company SRP | Punit Nagar | 17.58 | 37 | 22.16 |
| 54 | Kothariya Chowkdi | SRP Camp G-Company | 17.60 | 39 | 23.80 |
| 55 | Gondal Chowkdi | Ratanpar Gaam | 22.88 | 32 | 20.54 |
| 57 | Trikon Baug | Govt. Eng. College | 11.63 | 21 | 46.79 |

3.2.3.5 Average Station Demand on RMTS Routes

Average station demand on RMTS routes has been estimated using the ETM matrix generated (above). This analysis has been broken in to a bus stop based analysis and a route based analysis. Bus stop based analysis suggests that each station caters to an average of 2.7 routes. Maximum routes served by a single bus stop is 27, at Trikon Bagh. Average sum of boarding and alighting commuters at all bus stop in a day is 91.3 (for the analysed RMTS

routes). Average boarding per day for these bus stops is 44.6 commuters whereas average alighting passengers per day was recorded to be 46.6 commuters. The minimum sum total of boarding and alighting passengers at a bus-stop was observed at '53 quarter' bus stop at 0.7 commuters per day. Maximum sum total of boarding and alighting passengers was recorded at 'Trikon-bagh' bus-stop at 3489 commuters per day. Maximum boarding and alighting commuters recorded separately at a station is also at Trikon Bagh, i.e. 1886 boarding and 1603 alighting commuters per day. Minimum boarding commuters in a day is 0 at 53 quarters, whereas the minimum alighting commuters in a day is recorded at 0 at a number of bus stops. Per trip Boarding and Alighting details for RMTS is presented in Table 22.

Route based analysis suggests that the overall average sum, of boarding and alighting commuters per trip (averaged for all trips on all routes) is 2.82 commuters. Sum total of boarding and alighting per trip for a route at a station is 37.74 at Government Engineering College on route number 57, while the minimum sum total of boarding and alighting commuters per trip on a route at a station is 0 commuters at 'Popatpara Central Jail' bus stop on route number 26. Average boarding per trip per station for all stations on all routes is 1.43 passengers, while average number of alighting passengers per trip per station (for all stations and routes) is 1.39 commuter. The highest recorded boarding per trip at a station is 22.11 on route 20, bus stop 'Ghanteshwar SRP Camp', while maximum alighting per trip at a station is 25.81 passengers at 'Government Engineering College' on Route number 57. Minimum boarding and alighting have been observed to be zero at 'Popatpara Central Jail' Bus stop on route number 26. Per day boarding & alighting and route serves by each bus stop details is presented in Annexure 8.1.

TABLE 22: RMTS BOARDING & ALIGHTING OUTPUTS

| S.No. | Particular | Boarding | Alighting | Total |
|-------|------------|----------|-----------|-------|
| 1. | Average | 1.43 | 1.39 | 2.82 |
| 2. | Max | 22.11 | 25.81 | 37.74 |
| 3. | Min | 0.00 | 0.00 | 0.00 |

3.2.3.6 Average Station demand on BRTS route

Station wise demand on BRTS corridor has been estimated with the help of ETM matrix. The analysis suggests that Indira circle has maximum number of boarding and alighting per day commuters i.e. 3577 boarding and 3703 alighting passenger per day. And minimum boarding and alighting per day has been observed on two different bus stations, i.e. 131 boarding per day at Umiya station while 331 alighting per day at Ayodhya chowk station. Bus stop based analysis suggests that Average sum of boarding and alighting commuters at all bus stop in a day is 2451. The minimum sum total of boarding and alighting passengers at a bus-stop was observed at 'Ayodhya chowk' bus stop at 658 commuters per day. Maximum sum total of boarding and alighting passengers was recorded at 'Indira circle' busstation at 7280 commuters per day. Per day boarding & alighting at each bus stop details is presented in Table 23.

TABLE 23: STATION WISE PASSENGER BOARDING AND ALIGHTING ON BRTS CORRIDOR

| Station | Distances (m) | Daily Boarding | Daily Alighting |
|----------------------|---------------|----------------|-----------------|
| Gondal Chowk | 0 | 3441 | 2805 |
| Punit Nagar Society | 600 | 614 | 620 |
| Goverdhan Chowk | 640 | 603 | 620 |
| Ambedkar Nagar | 500 | 782 | 730 |
| Umiya Chowk | 600 | 131 | 921 |
| Mavadi Chowk | 600 | 1591 | 1684 |
| Om Nagar Chowk | 350 | 652 | 686 |
| Mahapuja Dham Chowk | 540 | 878 | 791 |
| Nana Mava Chowk | 600 | 820 | 860 |
| West Zone Office RMC | 550 | 1265 | 1260 |

| Station | Distances (m) | Daily Boarding | Daily Alighting |
|--------------------------|---------------|----------------|-----------------|
| Indira Circle | 1140 | 3577 | 3703 |
| Raiya Telephone Exchange | 650 | 840 | 770 |
| Raiya Chowk | 850 | 1011 | 1207 |
| Nanavati Chowk | 500 | 1060 | 1163 |
| Ramadevpur Chowk | 700 | 970 | 1195 |
| Shital Park | 500 | 407 | 464 |
| Ayodhya Chowk | 840 | 327 | 331 |
| Madhapar Chowk | 680 | 3094 | 2253 |

3.2.3.7 Average Operational Speed on RMTS Routes

Average operational speed for 30 RMTS routes (passing BRTS corridor) has been calculated with help of RMTS time schedule data provided by RRL and RMTS. Time schedule data comprised of number of trips per day and starting and end time for each trip for both directions for each route. Average operational speed for each route has been then calculated with the help of journey distance and journey time. The analysis of this data suggests that the average speed (over a day) of RMTS buses for all 30 routes is 18.32 km/h. The minimum average speed is observed at 11.86 Km/h on route number 41, while the maximum speed is observed at 21.57 km/h on route number 9. Table 24 presents the route wise operational speed variation during the day for RMTS buses.

TABLE 24: AVERAGE OPERATIONAL SPEED OF RMTS BUSES

| Route No. | Origin | Destination | Route length (km) | Avg. Bus Speed (km/hr) |
|-----------|-------------------------------|--------------------------|-------------------|------------------------|
| 1 | Trikon Bag | Saurashtra University | 7.22 | 15.06 |
| 2 | Raiya Gaam | Shree S.N Shukla College | 16.47 | 18.81 |
| 3 | Madhapar Chokdi | Jivraj Park | 18.78 | 17.69 |
| 5 | Raiya Gaam | Tramba Gaam | 22.00 | 18.00 |
| 7 | Bhaktinagar Circle | Bajarangvadi Circle | 9.66 | 16.31 |
| 8 | Labhubhai Trivedi College | Greenland Chowkdi | 14.01 | 20.52 |
| 9 | Saurashtra University | Arpit Eng. College | 31.76 | 21.57 |
| 11 | Trikon Baug | Shapar Veraval | 15.61 | 18.95 |
| 16 | Kothariya Gaam | Saurashtra University | 16.55 | 21.39 |
| 17 | Saurashtra University | Tramba Gaam | 22.49 | 20.27 |
| 19 | Vavdi Gaam | Slum Quarter | 12.17 | 18.65 |
| 20 | Ghanteshvar SRP Camp | Shapar Veraval | 25.65 | 18.17 |
| 21 | Bajrangwadi Circle | Ratanpar Gaam | 24.27 | |
| 23 | Mavadi Gaam | Shree H.N Shukla College | 16.26 | 16.97 |
| 24 | Trikon Baug | GIDC Gate-3 | 16.56 | 20.49 |
| 25 | Julelal Mandir | Jivraj Park | 12.81 | 19.57 |
| 26 | Punit Nagar | Quarter | 10.54 | 16.46 |
| 27 | Trikon Baug | Raiyadhar Slum Quarter | 6.29 | 16.71 |
| 28 | Gujarat Housing Board Quarter | Jivraj Park | 14.45 | 17.91 |

| Route No. | Origin | Destination | Route length (km) | Avg. Bus Speed (km/hr) |
|-----------|-----------------------|-----------------------|-------------------|------------------------|
| 35 | Trikon Baug | Shapar Veraval | 15.79 | 20.28 |
| 38 | Aaji Dam | Madhapar Gaam Gate | 15.20 | 19.89 |
| 40 | Saurashtra University | Santoshi Nagar | 13.63 | 18.17 |
| 41 | Bhakti Nagar Circle | Gangotri Park | 9.66 | 11.86 |
| 42 | Greenland Chowkdi | Jivraj Park | 13.61 | 18.35 |
| 43 | OM Residency | Akshar Vatika | 14.93 | 18.44 |
| 45 | Saurashtra University | Ratanpar Gaam | 24.67 | 20.86 |
| 47 | Kothariya Gaam | Saurashtra University | 13.94 | 17.10 |
| 51 | G-Company SRP | Punit Nagar | 17.58 | 18.72 |
| 54 | Kothariya Chowkdi | SRP Camp G-Company | 17.60 | 18.05 |
| 55 | Gondal Chowkdi | Ratanpar Gaam | 22.88 | 16.75 |
| 57 | Trikon Baug | Govt. Eng. College | 11.63 | 17.48 |

3.2.3.8 Average Operational Speed on BRTS Routes

With help of time schedule data provided by RRL, per trip speed of buses on BRTS corridor has been calculated. The derived data indicates that the average speed (over a day) of BRTS buses is 18.48 km/hr. The maximum speed of the bus is observed at 22.93 km/hr between 6:30 AM and 7:02 AM in the morning on the corridor. The minimum speed of the bus is observed at 15.29 km/hr between 3:33 PM and 4:19 PM in the afternoon on the corridor. Table 25 presents the trip wise operational speed variation during the day on the BRTS corridor.

TABLE 25: TRIP WISE OPERATIONAL SPEED ON BRTS CORRIDOR

| Station Name | Bus Schedule | Travel Time (min) | Actual Travel Time (min) | Distance (km) | Average Speed (km/hr) |
|----------------|--------------|-------------------|--------------------------|---------------|-----------------------|
| Gondal Chowk | 06:30 | 00:32 | 00:28 | 10.7 | 22.93 |
| Madhapar chowk | 07:02 | 00:37 | 00:33 | 10.7 | 19.45 |
| Gondal Chowk | 07:39 | 00:42 | 00:38 | 10.7 | 16.89 |
| Madhapar chowk | 08:21 | 00:40 | 00:36 | 10.7 | 17.83 |
| Gondal Chowk | 09:01 | 00:40 | 00:36 | 10.7 | 17.83 |
| Madhapar chowk | 09:41 | 00:40 | 00:36 | 10.7 | 17.83 |
| Gondal Chowk | 10:21 | 00:40 | 00:36 | 10.7 | 17.83 |
| Madhapar chowk | 11:01 | 00:40 | 00:36 | 10.7 | 17.83 |
| Gondal Chowk | 11:41 | 00:35 | 00:31 | 10.7 | 20.71 |
| Madhapar chowk | 12:16 | 00:35 | 00:31 | 10.7 | 20.71 |
| Gondal Chowk | 12:51 | 00:38 | 00:34 | 10.7 | 18.88 |
| Madhapar chowk | 13:29 | 00:44 | 00:40 | 10.7 | 16.05 |
| Gondal Chowk | 14:13 | 00:40 | 00:36 | 10.7 | 17.83 |
| Madhapar chowk | 14:53 | 00:40 | 00:36 | 10.7 | 17.83 |
| Gondal Chowk | 15:33 | 00:46 | 00:42 | 10.7 | 15.29 |
| Madhapar chowk | 16:19 | 00:40 | 00:36 | 10.7 | 17.83 |
| Gondal Chowk | 16:59 | 00:37 | 00:33 | 10.7 | 19.45 |
| Madhapar chowk | 17:36 | 00:35 | 00:31 | 10.7 | 20.71 |
| Gondal Chowk | 18:11 | 00:36 | 00:32 | 10.7 | 20.06 |

| Station Name | Bus Schedule | Travel Time (min) | Actual Travel Time (min) | Distance (km) | Average Speed (km/hr) |
|----------------|--------------|-------------------|--------------------------|---------------|-----------------------|
| Madhapar chowk | 18:47 | 00:40 | 00:36 | 10.7 | 17.83 |
| Gondal Chowk | 19:27 | 00:43 | 00:39 | 10.7 | 16.46 |
| Madhapar chowk | 20:10 | | | | |

3.2.3.9 Average Monthly Trip Demand on BRT Corridor

Detailed ticket sale data for BRTS routes has not yet been analyzed. However daily ridership for past 11 months has been made available by RRL. This data for the last month (for which data is available), i.e. August 2017 suggests that the average daily ridership (for both up and down direction) in that month was 19,407. The average ridership for working days in that month was 20,342 and average for non-working days (including Saturday, Sunday and public holidays) was 17,706. The minimum ridership was on Monday, 07 August 2017 at 11,302 and the maximum was on Saturday, 05 August 2017 at 24,209. The detailed daily ridership figures on Rajkot BRT corridor in August 2017 have been presented in Table 26 and Figure 17.

TABLE 26: BRTS DAILY RIDERSHIP

| BRTS Ridership in August 2017 | | | |
|-------------------------------|------------|----------------------|------------|
| Date | Passengers | Date | Passengers |
| 1 Aug 17, Tuesday | 22479 | 17 Aug 17, Thursday | 17277 |
| 2 Aug 17, Wednesday | 21837 | 18 Aug 17, Friday | 19506 |
| 3 Aug 17, Thursday | 23392 | 19 Aug 17, Saturday | 18122 |
| 4 Aug 17, Friday | 23057 | 20 Aug 17, Sunday | 17081 |
| 5 Aug 17, Saturday | 24209 | 21 Aug 17, Monday | 21210 |
| 6 Aug 17, Sunday | 19375 | 22 Aug 17, Tuesday | 19249 |
| 7 Aug 17, Monday | 11302 | 23 Aug 17, Wednesday | 19893 |
| 8 Aug 17, Tuesday | 15316 | 24 Aug 17, Thursday | 22346 |
| 9 Aug 17, Wednesday | 21136 | 25 Aug 17, Friday | 18587 |
| 10 Aug 17, Thursday | 20972 | 26 Aug 17, Saturday | 21813 |
| 11 Aug 17, Friday | 20674 | 27 Aug 17, Sunday | 18109 |
| 12 Aug 17, Saturday | 19489 | 28 Aug 17, Monday | 23691 |
| 13 Aug 17, Sunday | 16037 | 29 Aug 17, Tuesday | 18792 |
| 14 Aug 17, Monday | 15848 | 30 Aug 17, Wednesday | 18256 |
| 15 Aug 17, Tuesday | 13376 | 31 Aug 17, Thursday | 21109 |
| 16 Aug 17, Wednesday | 18062 | | |

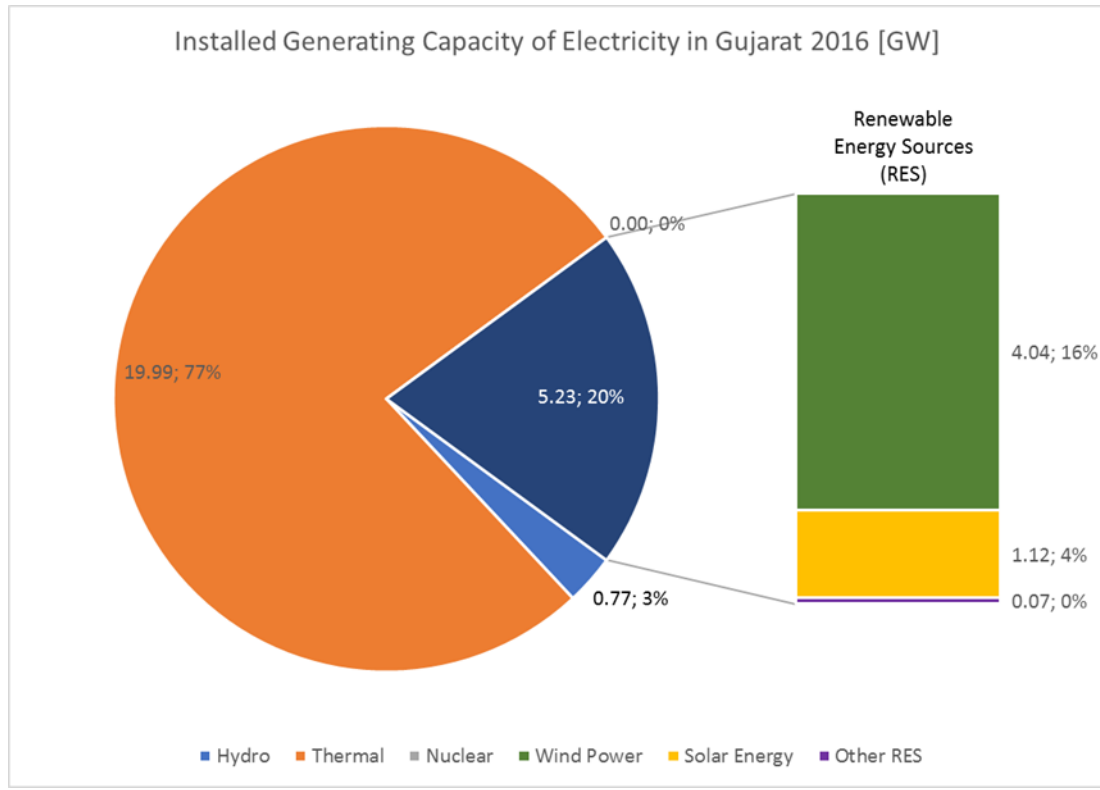


FIGURE 20: INSTALLED GENERATING CAPACITY OF ELECTRICITY.

SOURCE: (Government of India, 2017)

According to the Energy Statistics, there is a very high potential of Renewable Power, especially regarding wind and solar power. It is therefore not surprising that with the 500 MW Charanka solar park, Gujarat has one of the largest solar plants in the world (International Energy Agency 2015).

TABLE 27: INSTALLED CAPACITY AND POTENTIAL OF RENEWABLE POWER.

| | Wind Power | Solar Energy | Biomass | Small Hydro Power | Other RES | Total |
|---|------------|--------------|---------|-------------------|-----------|---------------|
| Installed Capacity of Renewable Power 2016 [GW] | 4.04 | 1.12 | 0.06 | 0.02 | 0.00 | 5.23 |
| Estimated Potential of Renewable Power [GW] | 119.50 | 35.77 | 1.22 | 0.20 | 0.46 | 157.16 |

SOURCE: (Government of India, 2017)

According to Mr. Ankit Makvana (ICLEI), the total electricity consumption in Rajkot from January 2015 to December 2015 was around 1.5 Mio. MWh or 1'500 GWh per year. Since 2009, Gujarat has had a power surplus, and this is expected to be also the case for the near future (Government of Gujarat 2017).

3.3 Primary Data

As part of the primary data collection, surveys were conducted on the corridor including junctions and BRT stations. This included origin-destination (O-D) surveys through interviews, traffic surveys through videography and average speed data (on Rajkot Road network) by

different modes using hand held (mobile) GPS devices. The data was collected over a period of five working days from December 12, 2017 till December 19, 2017. This data has been analyzed to reveal the trip characteristics of any potential BRT users. The details of data compilation and findings from its analysis has been presented in sections below.

3.3.1 Data Collection and Compilation

The data collection included traffic volume survey (videos) on total 19 junctions and (O-D) survey on total 19 junctions and 18 bus stops and mode-wise average speed on the corridor and off the corridor. A total of approximately 833 respondents have been surveyed for junction O-D survey and 196 respondents were interviewed for bus station O-D survey. Both junction traffic data collection and O-D surveys were conducted during peak hours, i.e. from 8:30am to 11:30am and 5:00pm and 7:00pm. The detail of data collected has been presented in Table 28.

TABLE 28: LIST OF PRIMARY DATA COLLECTED

| S.No. | Type of Survey | Sample Size/Period | Total locations/Bus stops/Junctions |
|-------|--|--------------------|-------------------------------------|
| 1. | Traffic Volume Counts | 15 minutes | 19 |
| 2. | Junction O-D Survey | 523 | 19 |
| 3. | Bus Station O-D Survey | 196 | 18 |
| 4. | Mode-wise Average Speed on the corridor and off the corridor | 42 | -- |

The collected data through primary surveys has been derived (from videos and interviews) and digitized. The collected O-D data is presented in Annexure 8.3.1.

Also, during second site visit to Rajkot, two major surveys has been conducted including 'Land use survey' along the BRTS corridor and willingness to use BRTS Perception survey. Land use of 500m on either side of BRTS corridor has been surveyed and marked on the google earth print outs. A total of 36 respondents including BRTS users, RRL officials, other mode users, etc. have been surveyed for 'willingness to use BRTS Perception survey'. The collected data for Land use is presented in Annexure 8.3.3.

3.3.2 Analysis

The primary survey data has been analyzed to understand the average trip length, average occupancy, major generators as well attractors (O-D) for modes other than buses. It also creates an understanding of average vehicular speeds of modes other than buses, both on and off the BRT corridor. Additionally, it provides an understanding of traffic composition and load on the BRT corridor and on the cross roads. This analysis has been presented in the sections below.

3.3.2.1 Land use analysis

Land use survey has been conducted along the BRTS corridor during second site visit to Rajkot. Area for survey has been selected by offsetting BRTS corridor by 500m on both side. Survey has been done by visiting the places and marking the exact land use of the place on Google earth sheets (Annexure 8.3.3). Land use distribution along the BRTS corridor is presented in Figure 21. The analysis of land use survey data clearly indicates that the majority of land 500m on both side of the corridor has Residential land use (nearly 80%). While the land use along the corridor has moajorly Mixed (residential + commercial) land use (nealy 40%). The land use along the corridor is favorable for shorter and non-motorized trips. Land use along the corridor is presented in Figure 22. Figure 23 and Figure 23 showing the analysis of land use distribution of 500m along both side of corridor and land use distribution along the corridor respectively.

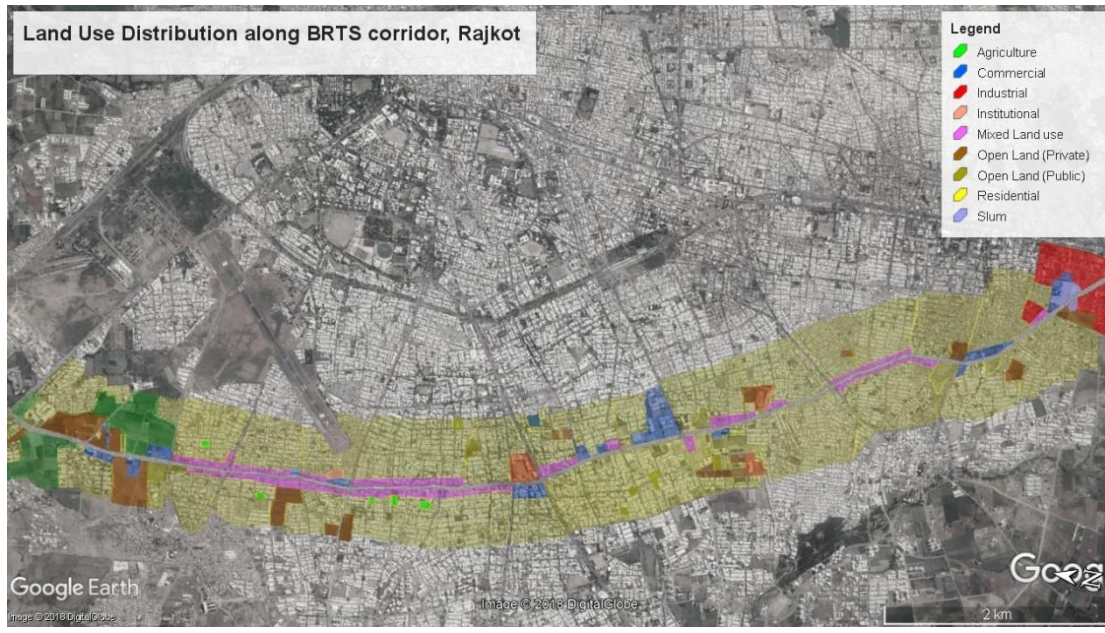


FIGURE 21: LAND USE DISTRIBUTION ALONG CORRIDOR

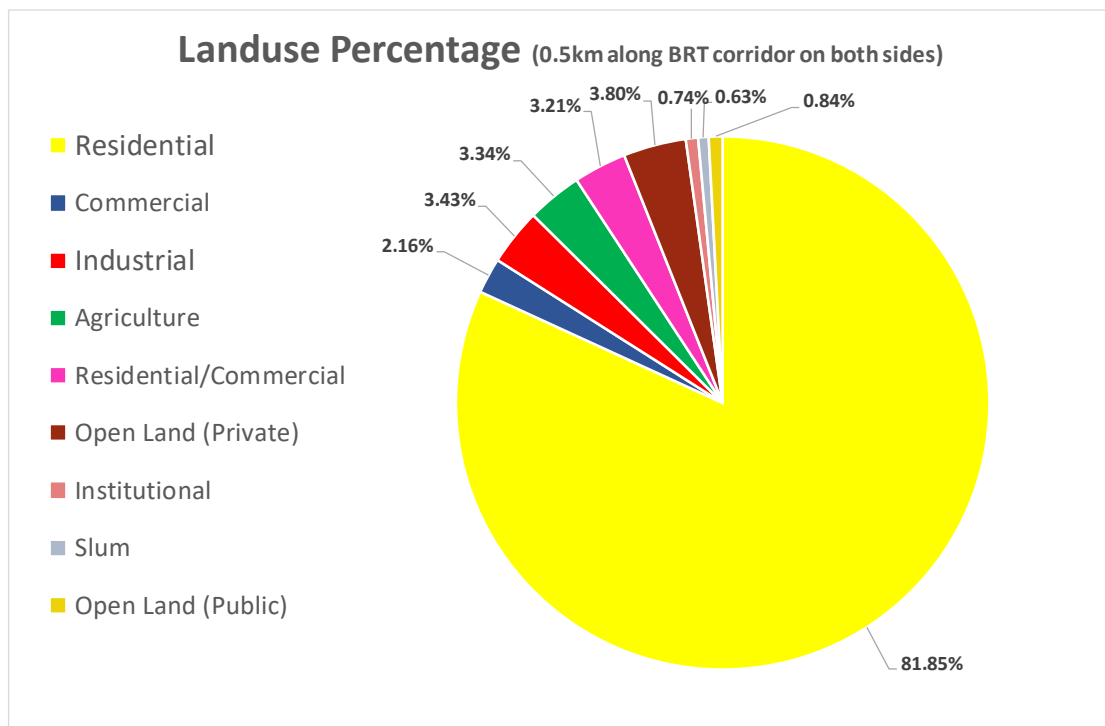


FIGURE 22: LANDU USE DISTRIBUTION ANALYSIS OF 0.5KM ON BOTH SIDE OF CORRIDOR

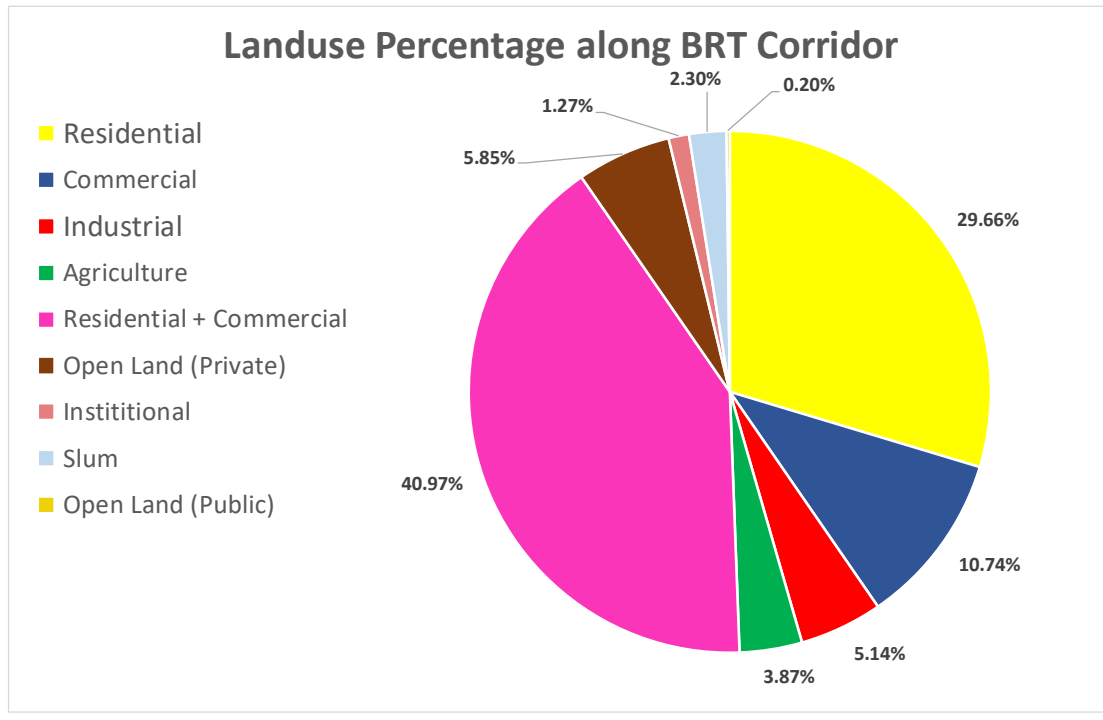


FIGURE 23: LAND USE DISTRIBUTION ANALYSIS ALONG THE CORRIDOR

3.3.2.2 Origin-Destination and Catchment Area for Passengers other than Bus and BRT

A total of 523 respondents were interviewed for the junction O-D survey, involving all commuters, including those walking, cycling, taking an auto, using a two-wheeler, and auto rickshaw or a car. Commuters were randomly interviewed and data such as origin destination, trip purpose, no. of occupants, mode used, and route taken was captured on a survey form. The analysis of the origin and destination data from this survey was plotted on Google Earth. Also in Google Earth, Traffic Analysis zones (TAZ) were created on the basis of expected walking distance from major roads and BRT. These zones measure approximately 600m to 1200m by 600m to 1200m. Based on this Rajkot city has been divided in to a total of 177 zones. Origin destination data points plotted on the map were overlapped on these zones and number of O-D points on each zone were calculated. It was found that the lowest number of data points in a zone was 0. While the maximum data points 88 in zone number 109 which is approximately 500m radius around KKV Chowk. Accordingly the zones were colour coded as red for more than 12 O-D data points, blue for 9 to 12 O-D data points, magenta for 5 to 8 data points, grey for 1 to 4 and white for less than 1 data point. Figure 24 presents the zones wise details of O-D survey conducted around the BRT corridor. This data does not differentiate between Origin and destination, and clubs them all together in a single map for visualization. The analysis of this zone wise data suggests that majority of interviewed commuters are concentrated in red color coded zone which is majorly adjacent to the existing BRTs corridor within the range of half a km on either side of the corridor and E-W direction.

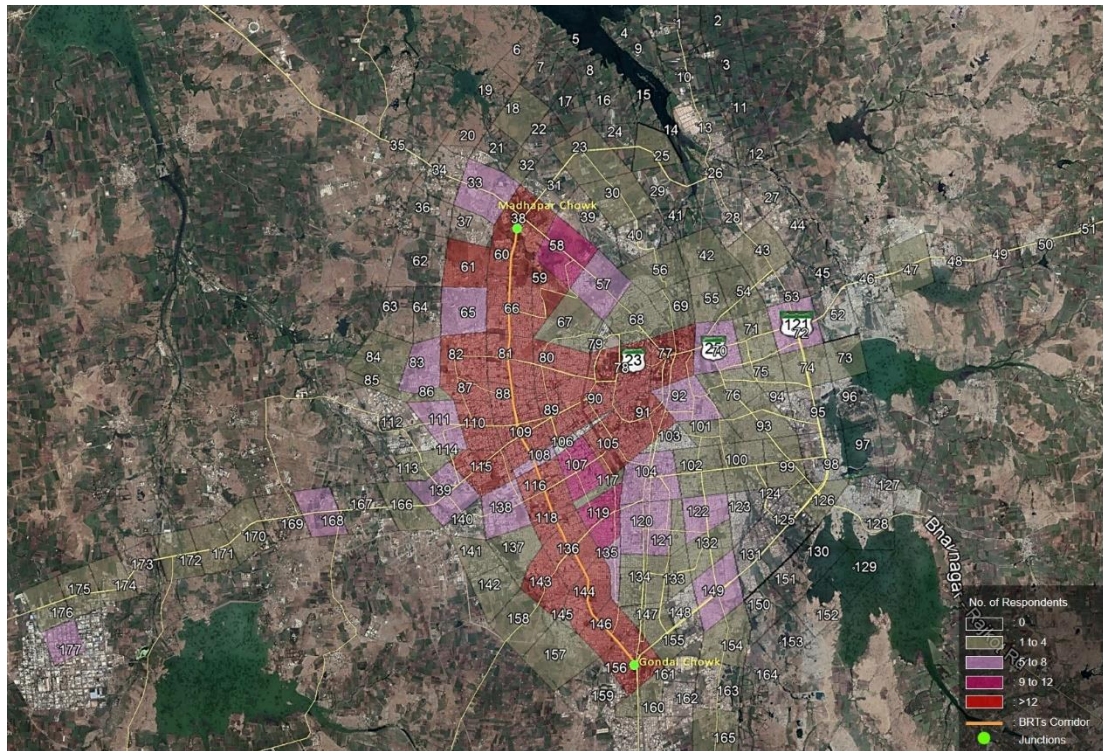


FIGURE 24: ZONE-WISE ANALYSIS OF PASSENGERS OTHER THAN BUSES

3.3.2.3 Origin-Destination and Catchment Area of BRT bus Commuters

Commuters at all 18 BRT bus stations were interviewed for understanding their origin destination of the journey, for which this BRT trip is a part. Data for the mode used for the first and last mile connectivity to the BRT corridor and the purpose of their trip. A total of 196 respondents were interviewed for this survey, of which 58% were men and 42% were women. The O-D data points from this interview were plotted on Google Earth, overlapping with defined TAZ. This allowed an assessment of catchment area of BRT based on current usage. This analysis has been presented in Figure 25. The analysis suggests that majority of BRT commuters have their O-D at zone 66, color coded red having more than 14 data points clustered within half a km of BRT corridor around Ramdev Pir Chowkdi junction. Minimum number of Bus BRT commuters from a zone is zero, while the maximum number of BRT commuters coming from a zone is 23 (from zone number 66) and the same come from zone number 81, 88, 109 and 144 clustered in area around raiya chowk, raiya telephone exchange, KKV chowk - Indira circle and Ambedkar Nagar Chowk within 500 metres adjacent to BRTs corridor. The data of respondents for both Bus and Other than Bus O-D has been presented in Annexure 8.3.1 and 8.3.2 respectively.

Notably there are a number of activity centres in the 1km catchment zone off the BRT corridor. The current influence of these activity centres in reflect in the O-D data collected. However the specific links of these activity nodes to the traffic generated is currently being studied. Alongside the details of vacant plots in vicinity of the corridor is being collected, along with their proposed land use. In the following stages of the study when ridership shall be projected for the horizon year, the expected trips attracted by these undeveloped land parcels shall also be accounted for.

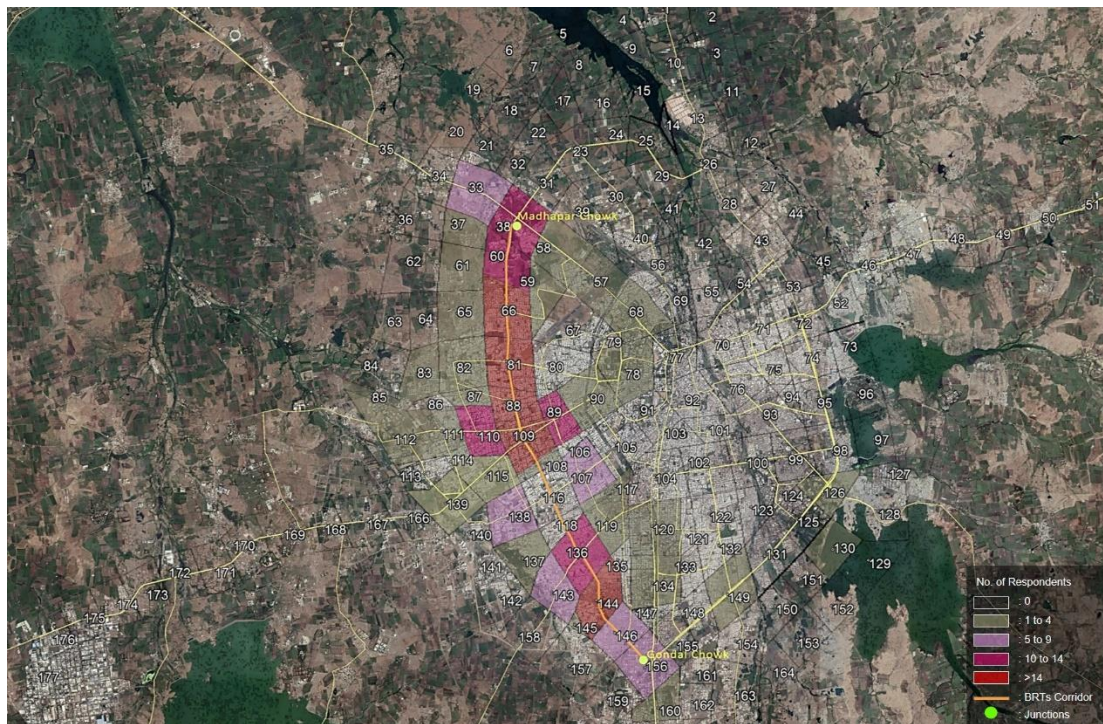


FIGURE 25: ZONE-WISE ANALYSIS OF BRTS COMMUTERS

3.3.2.4 Last mile connectivity modes used by current BRT commuters

Bus stops O-D survey data was analyzed to generate an understanding of the current modes used by current commuters for accessing the BRT in Rajkot. The analysis suggests that a large majority of commuters interviewed, i.e. 77% (first mile), 71% (last mile) walk to BRT station. 10% commuters use city bus as the mode for first mile connectivity and 11% commuters use city buses as the mode for last mile connectivity. Table 29 presents the details of last mile connectivity of current BRT commuters interviewed for this study.

TABLE 29: LAST MILE CONNECTIVITY MODES

| S. No. | Mode | Access numbers | %age | Egress number | %age | Total number | Total |
|--------------|----------------|----------------|------|---------------|------|--------------|-------|
| 1 | Auto | 12 | 6% | 17 | 9% | 29 | 7% |
| 2 | Shared Auto | 2 | 1% | 7 | 4% | 9 | 2% |
| 3 | 2W | 3 | 2% | 0 | 0% | 3 | 1% |
| 4 | Bicycle | 2 | 1% | 4 | 2% | 6 | 2% |
| 5 | City Bus | 19 | 10% | 22 | 11% | 41 | 10% |
| 6 | BRT | 3 | 2% | 2 | 1% | 5 | 1% |
| 7 | Car | 2 | 1% | 1 | 1% | 3 | 1% |
| 8 | Walk | 150 | 77% | 139 | 71% | 289 | 74% |
| 9 | Drop/picked up | 3 | 2% | 4 | 2% | 7 | 2% |
| Total | | 196 | 100% | 196 | 100% | 392 | 100% |

3.3.2.5 Trip Purpose for Modes other than RMTS buses

Respondents were asked about the purpose of trip during the interviews. The analysis of this data suggest that 35% of trips made by BRT were work trips, while 34% were educational trips and the rest, i.e. 31% were non-work, non-education trips. For all other modes including private motorized vehicles and auto rickshaws, 60% of trips were work trips, 5% were education trips and 36% were non-work, non-education trips. Table 30 presents the total number of work, non-work and educational trips by mode.

TABLE 30: MODE-WISE TOTAL NUMBER OF TRIPS

| S.No. | Modes | Number of trips | | | | | |
|-------|------------------------------|-----------------|------|--------------|------|--------------|------|
| | | Work | | Education | | Non-work | |
| | | No. of trips | %age | No. of trips | %age | No. of trips | %age |
| 1 | All Modes (on BRT) | 69 | 35% | 67 | 34% | 60 | 31% |
| 2 | All Modes (other than buses) | 312 | 60% | 24 | 5% | 187 | 36% |

3.3.2.6 Occupancy of Modes other than Bus and BRT

O-D survey of commuters conducted at junctions of the BRT corridor was analyzed to assess the average occupancy of modes other than buses on the BRT. The average occupancy of the modes using BRT corridor other than buses has been presented in Table 31.

TABLE 31: LAST MILE CONNECTIVITY MODES

| S. No. | Mode | Average Occupancy |
|--------|----------------------|-------------------|
| 1 | Bicycle | 1.03 |
| 2 | Two Wheeler | 1.28 |
| 3 | Auto Rickshaw | 1.22 |
| 4 | Shared Auto Rickshaw | 1.57 |
| 5 | Car | 1.54 |

3.3.2.7 Trip length of Modes other than Bus and BRT

O-D survey of commuters at junctions was analyzed to generate an understanding of trip lengths by commuters crossing and/or using parts of the BRT corridor. The data suggests that the average trip length of commuters using modes other than buses, walk and cycle is 7.63 km. Frequency distribution of trip length suggests that 3.54% of trips on the corridor are less than 1km, 37% are more than one and less than 5km, 34% are more than 5 km and less than 10km while 25% is more than 10km.

Table 32 and Figure 26 presents the frequency distribution (aggregated for all modes other than buses, walk and cycle) of trip length.

Similarly, O-D survey of commuters at junctions was analyzed to generate the percentage of commuters travelled on the corridor. The analysis suggests that 61.95% commuters travelled on the corridor having trip length upto 1km, 46.64% upto 5km, 44.89% upto 10km and 40.57% for less than 40km (refer Table 33 and Figure 27).

TABLE 32: FREQUENCY DISTRIBUTION OF TRIP LENGTHS OTHER THAN BUS

| S.No. | Range (km) | Number of Respondents | Frequency (range) % | Cumulative % |
|-------|------------|-----------------------|---------------------|--------------|
| 1 | <1 | 18 | 3.54% | 3.54% |
| 2 | <5 | 190 | 37% | 40.94% |

| | | | | |
|---|-----|-----|-----|---------|
| 3 | <10 | 174 | 34% | 75.20% |
| 4 | <40 | 126 | 25% | 100.00% |

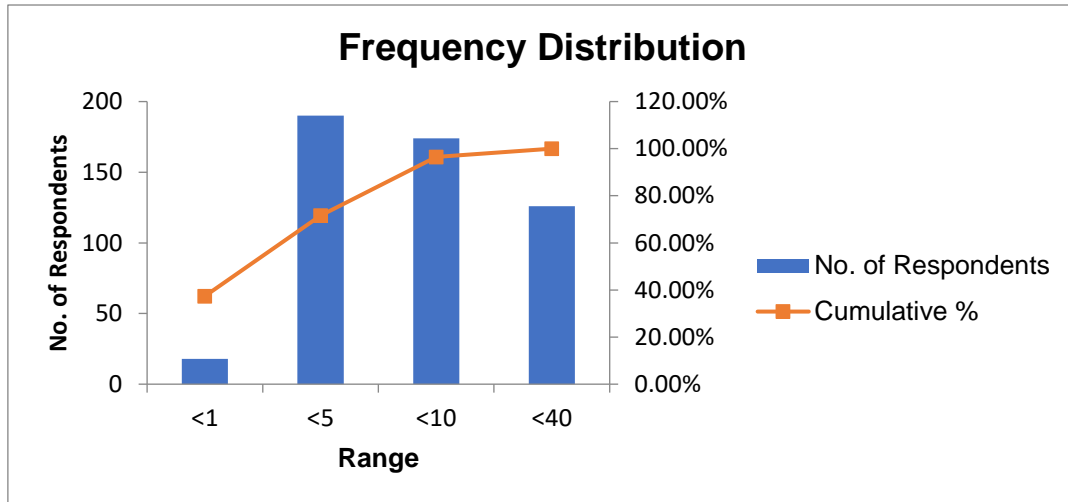


FIGURE 26: FREQUENCY DISTRIBUTION GRAPH OF TRIP LENGTHS OTHER THAN BUS

TABLE 33: % DISTANCE TRAVELLED ON THE CORRIDOR (OTHER THAN BUS)

| Range (Km) | No. of Respondents | % distance travelled on the corridor (range) |
|------------|--------------------|--|
| Upto 1 | 20 | 61.95% |
| Upto 5 | 210 | 46.64% |
| Upto 10 | 384 | 44.89% |
| Upto 40 | 491 | 40.57% |

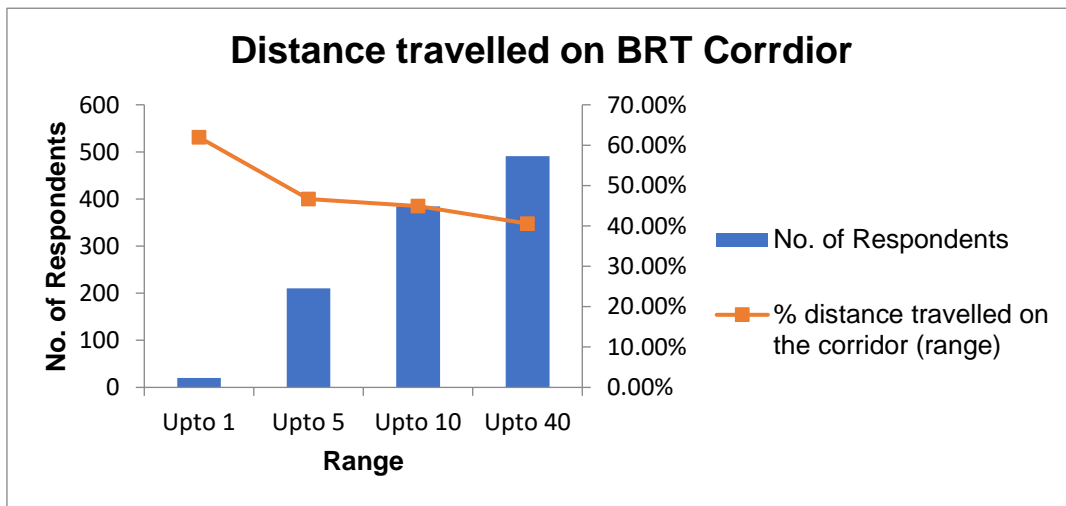


FIGURE 27: DISTANCE TRAVELLED ON THE CORRIDOR (OTHER THAN BUS)

3.3.2.8 Trip length of Current BRT Commuters

O-D survey of BRT commuters was analyzed to generate an understanding of trip length by current BRT commuters. This analysis suggests that the average trip length of BRT commuters is 6.04 km. When trip length is analyzed on the basis of last mile mode used, the results suggest that average trip length of commuters walking to BRT stations is 5.6 km, those using an auto rickshaw is 6.67 km, those using 2w is 6.47 km, those using car is 6.6 km and those using shared auto is 7.1 km. The frequency distribution of trip length suggests that 1.53% commuters

have trip length less than 1km, 30.1% have trip length more than 1km and less than 5km, 51.02% have trip length more than 5km and less than 10km and 17.35% have trip length more than 10km. Table 34 and Figure 28 presents the frequency distribution of trip length for BRT commuters.

Similarly, data was analyzed to generate the percentage of commuters travelled on the corridor. The analysis suggests that 81% commuters travelled on the corridor having trip length upto 1km, 66% upto 5km, 77% upto 10km and 64% for less than 40km (refer Table 35 and Figure 29).

TABLE 34: FREQUENCY DISTRIBUTION OF TRIP LENGTHS OF BRT COMMUTERS

| Range (Km) | No. of Respondents | Frequency % (range) | Cumulative % |
|------------|--------------------|---------------------|--------------|
| <1 | 3 | 1.53% | 1.53% |
| <5 | 100 | 30.10% | 52.55% |
| <10 | 59 | 51.02% | 82.65% |
| <40 | 34 | 17.35% | 100.00% |

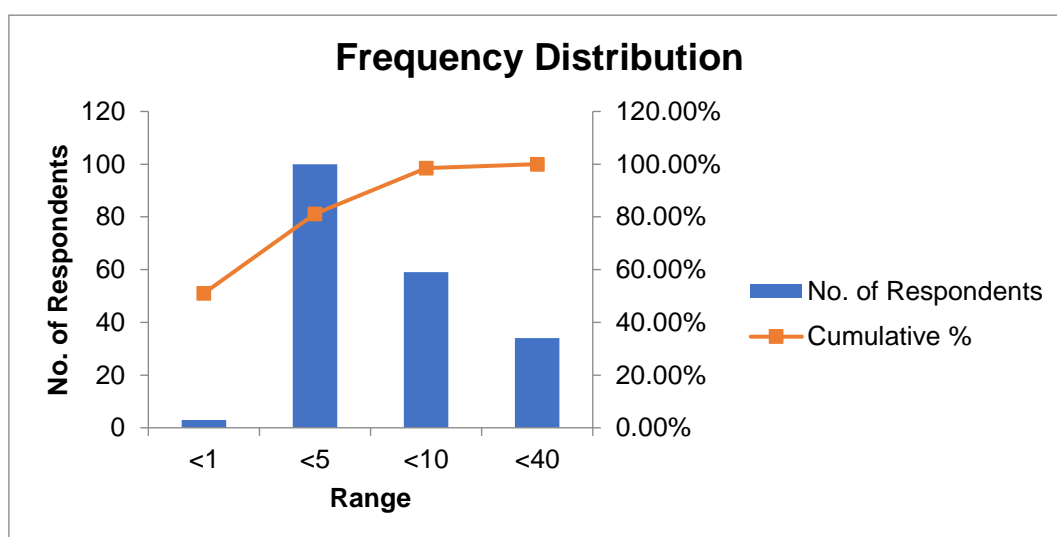


FIGURE 28: FREQUENCY DISTRIBUTION GRAPH - TRIP LENGTHS (BRT COMMUTERS)

TABLE 35: % DISTANCE TRAVELLED ON THE BRT CORRIDOR

| Range (Km) | No. of Respondents | % distance travelled on the corridor (range) |
|------------|--------------------|--|
| Upto 1 | 3 | 81% |
| Upto 5 | 103 | 66% |
| Upto 10 | 162 | 77% |
| Upto 40 | 181 | 64% |

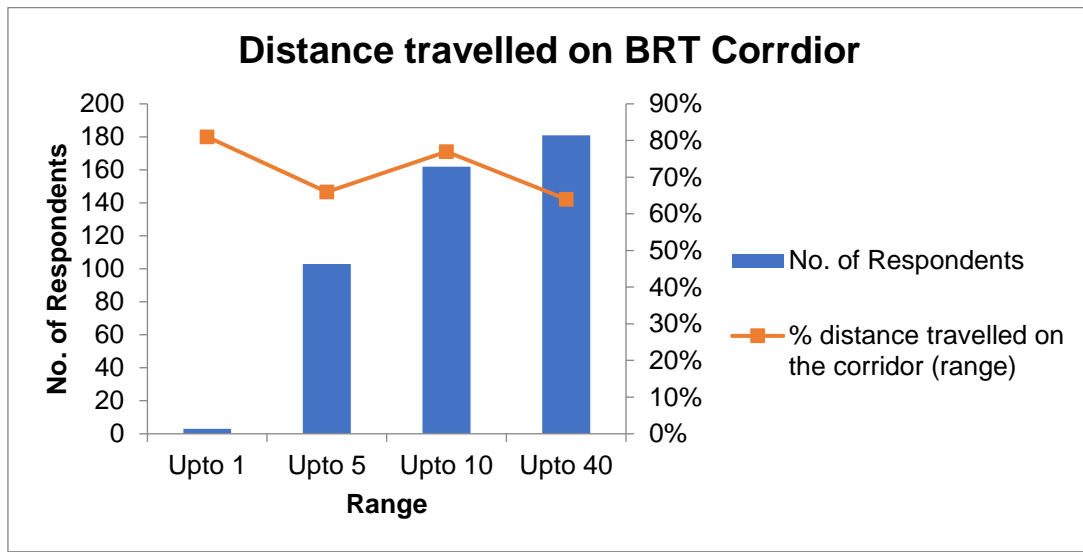


FIGURE 29: DISTANCE TRAVELLED ON THE BRT CORRIDOR

3.3.2.9 Segment of Trips on BRT Corridor

O-D survey of commuters at intersections was analyzed to generate an understanding of percent of trip length that overlaps the BRT corridor. The analysis of this data suggests that on an average 42% of the trip length of commuters using modes other than Bus or BRT is on the corridor. When this data is analyzed against trip length, the results suggest that on an average 60.24% of trip length is on the corridor for trip lengths less than 1km. This figure is 49% for trip length more than 1km and less than 5km, 43% for trip length for more than 5km and less than or equal to 10km and 25% for trip length greater than 10km. Frequency distribution of this data suggests that 20.3% of trips do not use any part of the BRT corridor, 8.2% use less than 10% of trip length on BRT corridor, 15.9% use more than 10% & less than 25% of trip length on the corridor, 35.8% use more than 25% & less than 75% of trip length on the corridor while 6.12% use 100% of trip length on the corridor. Table 36 and Figure 30 presents the frequency distribution of percent of trip lengths of commuters on the BRT corridor.

TABLE 36: FREQUENCY DISTRIBUTION OF % OF TRIP LENGTHS ON THE CORRIDOR

| Range | No. of Respondents | Frequency (range) % | Cumulative % |
|---------------|--------------------|---------------------|--------------|
| 0% | 106 | 20.30% | 20.30% |
| Less than 10% | 43 | 8.20% | 28.50% |
| Less than 25% | 83 | 15.90% | 44.40% |
| Less than 75% | 187 | 35.80% | 80.20% |
| Upto 100% | 104 | 19.80% | 100.0% |

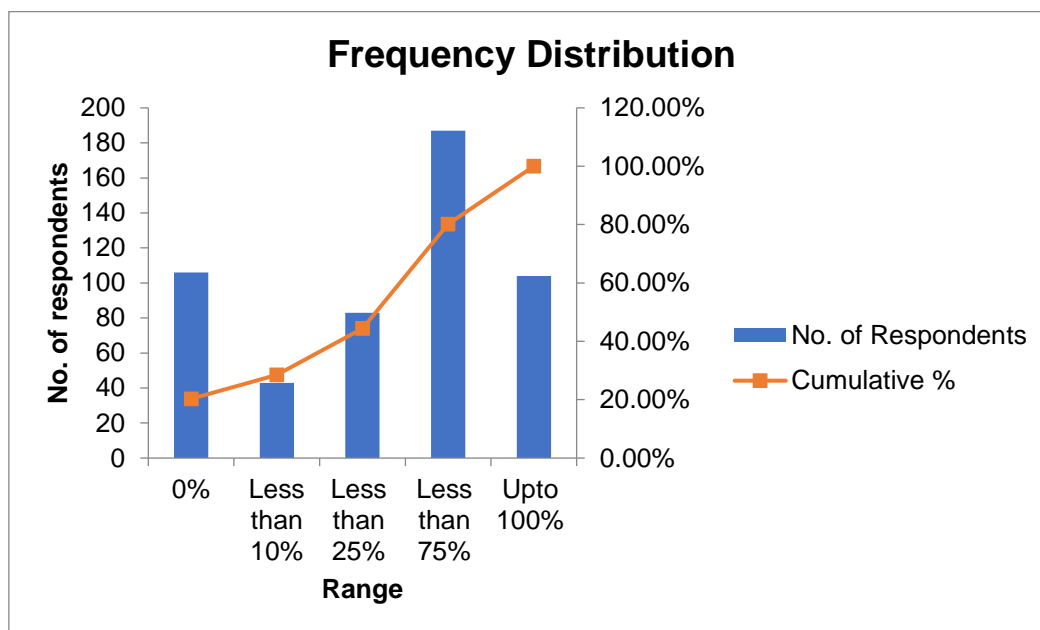


FIGURE 30: FREQUENCY DISTRIBUTION GRAPH % OF TRIP LENGTHS ON THE CORRIDOR

3.3.2.10 Composition of Traffic and Trips by Mode on the BRT Corridor

Traffic counts collected at the junctions of the BRT corridor was combined with occupancy data derived from the junction O-D survey to estimate composition and volume of traffic and trips at each junction and on different segments on the BRT corridor. The analysis of data suggests that maximum mode share of trips on the Gondal junction for modes other than BRT buses is 4% of trips by walk, 2% by cycle, 38% by two wheelers, 23% by cars, 9% auto rickshaws, 24% by RMTS buses and 2% by BRTS buses (Table 37). In terms of PCU, the share of traffic volume is 30% by two wheelers, 20% by cars, 19% by auto rickshaw, 1% by bicycle, 19% by LCV, 7% by Truck and 3% by buses (Table 38). Figure 31 and Figure 32 presents the maximum and minimum percentage share of trips by modes and traffic (in terms of PCU) by modes respectively. When comparing intersections, it is observed that Gondal junction carries the maximum volume of traffic in terms of PCU and serves the maximum trips in an hour. Similarly Ayodhya junction carries the minimum volume of PCU in an hour and serves the minimum number of trips in an hour. Table 39 and Table 40 presents the minimum peak hour volume and trips at Ayodhya junction on the BRT corridor. Figure 33 presents the total (sum of up and down direction) segment volume in terms of PCU and trips at different segments on the BRT corridor. This does not include trips or traffic volume because of BRT service. Mode wise trips and PCU at different junctions on BRTS corridor is presented in Annexure 8.6.

TABLE 37: EXISTING PEAK HOUR MODE WISE TRIPS AT GONDAL CHOWK (MAXIMUM)

| Vehicle Type | Mode wise Trips | Trips Mode share |
|--------------|-----------------|------------------|
| Cycle | 346 | 2% |
| 2 wheeler | 7260 | 38% |
| 4 wheeler | 4337 | 23% |
| Auto | 1659 | 9% |
| Bus | 4576 | 24% |
| BRTS Bus | 306 | 2% |
| Pedestrians | 744 | 4% |
| Total | 19228 | 100% |

TABLE 38: PEAK HOUR MODE WISE PCU AT GONDAL CHOWK (MAXIMUM)

| Vehicle Type | Mode wise PCU | PCU Mode share |
|--------------|---------------|----------------|
| Cycle | 168 | 1% |
| 2 wheeler | 4254 | 30% |
| 4 wheeler | 2816 | 20% |
| Auto | 2720 | 19% |
| Bus | 458 | 3% |
| BRTS Bus | 18 | 0% |
| LMV | 2667 | 19% |
| Trucks | 960 | 7% |
| Total | 14060 | 100% |

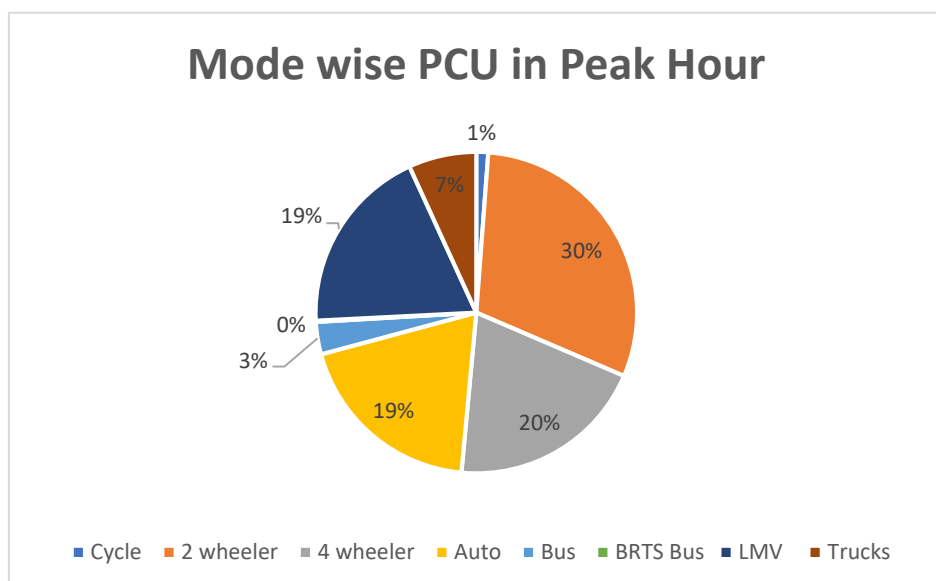
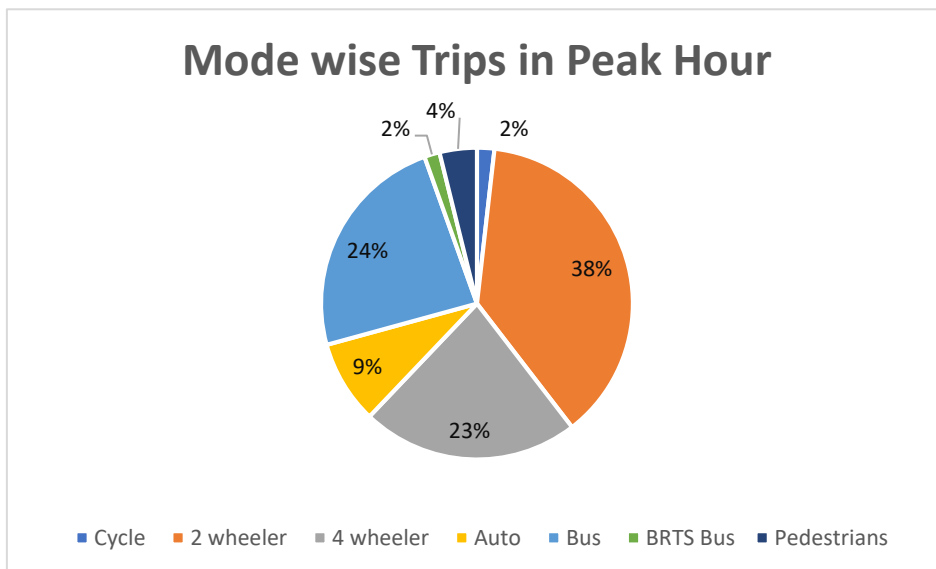


FIGURE 31: PEAK HOUR MODE-WISE TRIPS & PCU AT GONDAL CHOWK (MAXIMUM)

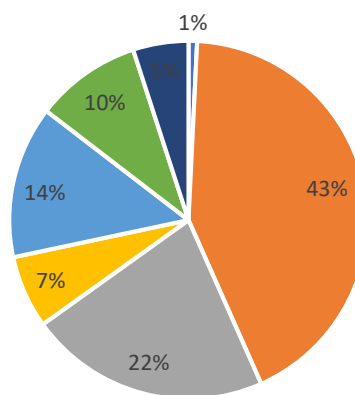
TABLE 39: EXISTING PEAK HOUR MODE WISE TRIPS AT AYODHYA CHOWK (MINIMUM)

| Vehicle Type | Mode wise Trips | Trips Mode share |
|--------------|-----------------|------------------|
| Cycle | 49 | 1% |
| 2 wheeler | 2724 | 43% |
| 4 wheeler | 1392 | 22% |
| Auto | 420 | 7% |
| Bus | 880 | 14% |
| BRTS Bus | 612 | 10% |
| Pedestrians | 320 | 5% |
| Total | 6398 | 100% |

TABLE 40: PEAK HOUR MODE-WISE PCU AT AYODHYA CHOWK (MINIMUM)

| Vehicle Type | Mode wise Trips | Trips Mode share |
|--------------|-----------------|------------------|
| Cycle | 24 | 1% |
| 2 wheeler | 1596 | 40% |
| 4 wheeler | 904 | 23% |
| Auto | 688 | 17% |
| Bus | 88 | 2% |
| BRTS Bus | 35 | 1% |
| LMV | 288 | 7% |
| Trucks | 360 | 9% |
| Total | 3983 | 100% |

Mode wise Trips in Peak Hour



■ Cycle ■ 2 wheeler ■ 4 wheeler ■ Auto ■ Bus ■ BRTS Bus ■ Pedestrians

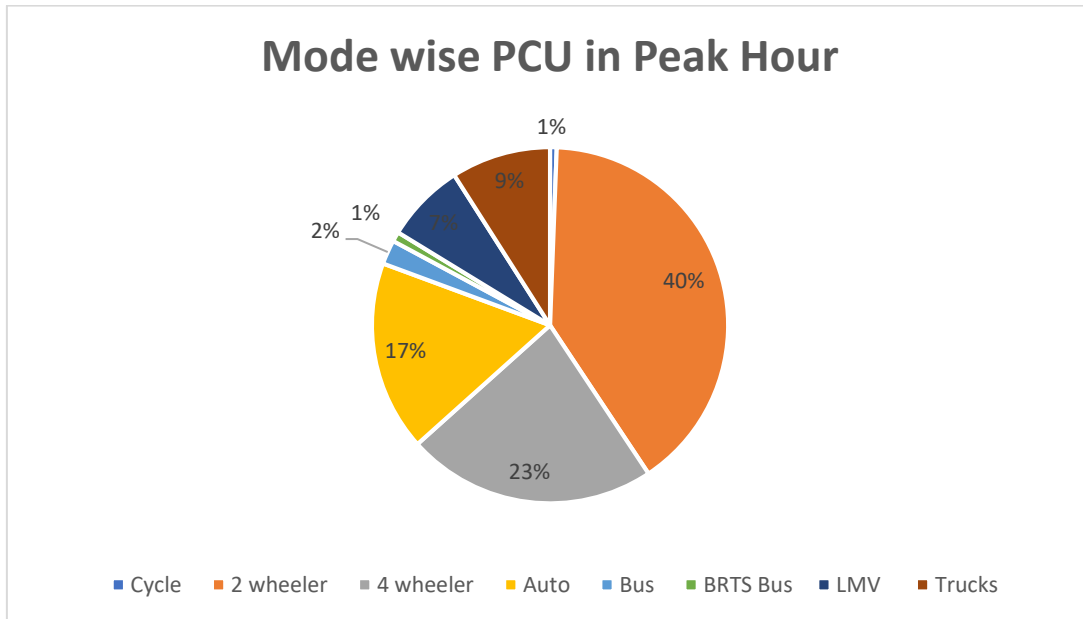


FIGURE 32: PEAK HOUR MODE-WISE TRIPS & PCU AT AYODHYA CHOWK (MINIMUM)



FIGURE 33: TRAFFIC VOLUME INTENSITY ON BRTS CORRIDOR

3.3.2.11 Traffic count estimation for Peak hour and daily traffic data

Above traffic volume data was collected on 13-15 December 2017 on different time period between 8 AM to 11 AM and 5 PM to 7 PM to achieved peak hour traffic. But it has been observed (from 8 hour traffic counts included in Rajkot BRTS DPR) that the peak traffic period was round 7:30 AM to 8:30 AM on the BRTS corridor. With the help of Pune’s (Maharashtra) hourly traffic percentage trend and Rajkot junction traffic count survey (March 2008), percentage traffic trend for Rajkot has been calculated (Figure 34) for every junction. This has been achieved by deriving a ratio of traffic count for each hour to the peak hour traffic count. This provided a correction factor to be applied to a specific hour traffic count, in order to derive a peak hour traffic count for that junction. Estimated peak hour and daily PCU calculations for each junction, based on this methodology have been presented in Table 41. Additionally, peak hour traffic PCU for each arm and each direction and each mode has been projected with the help of multiplication factor for every junction.

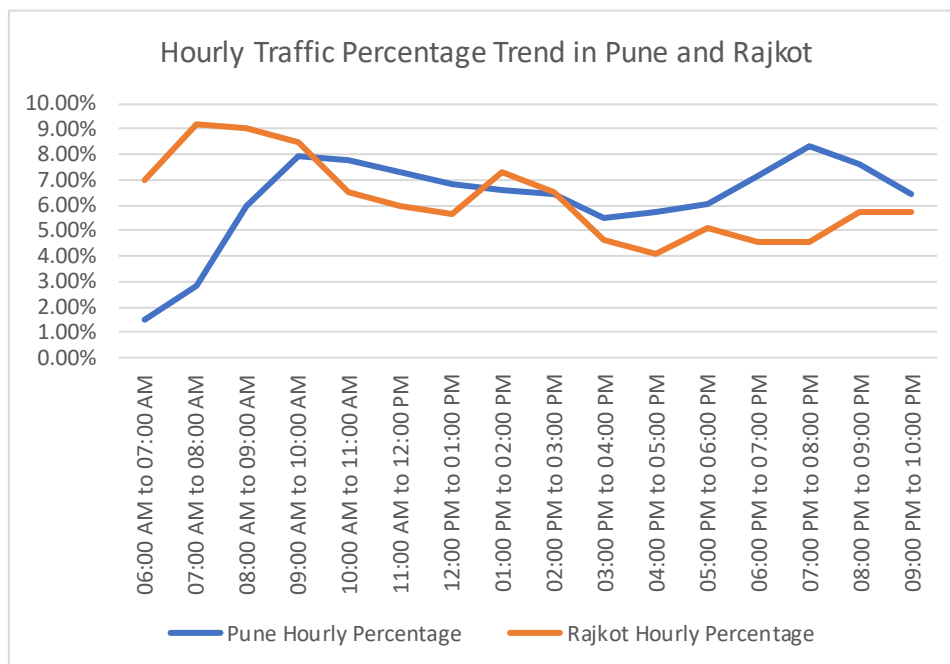


FIGURE 34: HOURLY TRAFFIC PERCENTAGE TREND IN PUNE AND RAJKOT

TABLE 41: TRAFFIC VOLUME PROJECTION FOR PEAK HOUR DATA

| Nos. | Junction Name | Survey Hour | Junction PCU (survey) | Multiplication factor | Peak hour PCU | Daily PCU |
|------|-------------------------------|----------------------|-----------------------|-----------------------|---------------|-----------|
| 1 | Gondal Chowk | 10:00 AM to 11:00 AM | 14060 | 1.41 | 19808 | 216314 |
| 2 | Punit Nagar Circle | 09:00 AM to 10:00 AM | 8988 | 1.08 | 9728 | 106236 |
| 3 | Goverdhan Chowk | 09:00 AM to 10:00 AM | 6926 | 1.08 | 7496 | 81863 |
| 4 | Ambedkar Nagar | 09:00 AM to 10:00 AM | 7419 | 1.08 | 8030 | 87693 |
| 5 | Umiyaji Chowk | 10:00 AM to 11:00 AM | 9057 | 1.41 | 12760 | 139342 |
| 6 | Mavdi Chowk | 10:00 AM to 11:00 AM | 12009 | 1.41 | 16918 | 184751 |
| 7 | Om Nagar Chowk | 08:00 AM to 09:00 AM | 8212 | 1.01 | 8292 | 90550 |
| 8 | Maha Puja Dhaam Chowk | 06:00 PM to 07:00 PM | 10053 | 1.31 | 13151 | 143611 |
| 9 | Nana Mava Chowk | 11:00 AM to 12:00 AM | 10667 | 1.53 | 16280 | 177787 |
| 10 | Big Bazar Chowk | 09:00 AM to 10:00 AM | 8616 | 1.08 | 9326 | 101844 |
| 11 | Indira Chowk | 05:00 PM to 06:00 PM | 11480 | 1.80 | 20613 | 225102 |
| 12 | KKV Chowk | 06:00 PM to 07:00 PM | 8396 | 2.02 | 16996 | 185605 |
| 13 | Raiya telephone office Circle | 06:00 PM to 07:00 PM | 8696 | 2.02 | 17603 | 192236 |
| 14 | Raiya Circle | 09:00 AM to 10:00 AM | 11058 | 1.08 | 11970 | 130714 |

| Nos. | Junction Name | Survey Hour | Junction PCU (survey) | Multiplication factor | Peak hour PCU | Daily PCU |
|------|-------------------|----------------------|-----------------------|-----------------------|---------------|-----------|
| 15 | Nanavati Chowk | 10:00 AM to 11:00 AM | 9872 | 1.41 | 13907 | 151874 |
| 16 | Rampir Chowk | 11:00 AM to 12:00 AM | 7927 | 1.53 | 12098 | 132113 |
| 17 | Shital Park Chowk | 10:00 AM to 11:00 AM | 5408 | 1.41 | 7618 | 83194 |
| 18 | Ayodhya Chowk | 10:00 AM to 11:00 AM | 3983 | 1.41 | 5611 | 61280 |
| 19 | Madhapar Chowk | 11:00 AM to 12:00 AM | 7977 | 1.53 | 12174 | 132947 |

3.3.2.12 Average Speed of Modes other than Bus

Speed data on BRT corridor and on different roads in Rajkot was recorded using hand held mobile based GPS devices. The data was recorded on Auto Rickshaw, two wheelers and cars/taxi. A total of 27 samples were collected for auto rickshaw, 16 for two wheelers, 4 for shared auto rickshaws and 8 for cars/taxi. The analysis of this data suggests that the average speed by Auto rickshaw on BRT corridor is 25.92 km/h. Similarly, average speeds by two wheelers on the BRT corridor is 22.50 km/h, and by cars is 36.74 km/h respectively.

Average speeds in the rest of the city by auto rickshaw is estimated to be 26.14 km/hr and 31.97 km/h by car. Table 42 presents the speed data collected on both the city roads and the BRT corridor in Rajkot.

TABLE 42: AVERAGE SPEED DATA BY ALL MODES

| S.No | Mode | Start Point | End point | Distance (Km) | Avg. Speed (Km/h) |
|------|------|------------------------|------------------------|---------------|-------------------|
| 1 | Auto | Maha Pooja Dham | Platinum Hotel | 5.015 | 19.6 |
| 2 | Auto | Mavdi Chowk | Nana Mava | 1.74 | 14.52 |
| 3 | Auto | KKV Chowk | Nana Mava | 1.16 | 31.23 |
| 4 | Auto | Nana Mava | Om Nagar | 0.99 | 30.83 |
| 5 | Bus | Om Nagar | Big Bazaar Junction | 1.58 | 25.84 |
| 6 | Bus | Big Bazaar Junction | Raiya Chowk | 2.39 | 24.16 |
| 7 | Bus | Madhapar Chowk | Raiya Tele Exchange | 3.82 | 26.92 |
| 8 | Auto | Bhagat Singh Chowk | Jilla Panchayat Circle | 1.05 | 26.91 |
| 9 | Auto | Nanavati Circle | Ayodhya Chowk | 1.86 | 33.42 |
| 10 | Auto | Jilla Panchayat Circle | Mahilla College Chowk | 0.89 | 27.86 |
| 11 | Auto | Mahilla College Chowk | Big Bazaar Junction | 2.32 | 34.69 |
| 12 | Auto | Big Bazaar Junction | Maha Pooja Dham | 1.1 | 33.85 |
| 13 | Auto | Maha Pooja Dham | Umiyaji Chowk | 1.43 | 20.93 |
| 14 | Auto | Umiyaji Chowk | Ambedkar Nagar Circle | 0.6 | 28.2 |
| 15 | Car | Sharda Baag | Platinum Hotel | 0.84 | 36.74 |
| 16 | Auto | Platinum Hotel | Kishanpara Circle | 1.69 | 26.81 |
| 17 | Auto | Kishanpara Circle | Mahilla College Chowk | 0.45 | 28.29 |

| S.No | Mode | Start Point | End point | Distance (Km) | Avg. Speed (Km/h) |
|------|------|--------------------------|---------------------------|---------------|-------------------|
| 18 | Auto | Mahilla College Chowk | Kotecha Circle | 0.87 | 28.59 |
| 19 | Auto | Kotecha Circle | KKV Chowk | 0.76 | 31.81 |
| 20 | Auto | Sharda Baag | Jilla Panchayat Circle | 0.72 | 32.15 |
| 21 | Auto | Kishanpara Circle | Mahilla College Chowk | 0.43 | 26.86 |
| 22 | Auto | Big Bazaar Junction | Nana Mava | 0.504 | 27.16 |
| 23 | Auto | Kishanpara Circle | Hanuman Modhi Chowk | 1.17 | 25.71 |
| 24 | Auto | Sharda Baag | Jilla Panchayat Circle | 0.72 | 21.3 |
| 25 | Auto | Raiya Chowk | Hanuman Modhi Chowk | 0.69 | 20.94 |
| 26 | Auto | New Era School | Bholeshwar Mahadev Temple | 0.72 | 26.38 |
| 27 | Auto | Appolo Pharmacy | Kishanpara Circle | 0.18 | 23.75 |
| 28 | Auto | Bal Udyan | Sharda Baag | 0.49 | 28.79 |
| 29 | Auto | INOX | Platinum Hotel | 0.565 | 21.43 |
| 30 | Auto | Hanuman Modhi Chowk | Raiya Chowk | 0.75 | 25.57 |
| 31 | Auto | INOX | Platinum Hotel | 0.565 | 22.4 |
| 32 | Auto | | | | 16.7 |
| 33 | Car | Shital Park | Ayodhya Chowk | 0.79 | 42.95 |
| 34 | Car | Ayodhya Chowk | Madhapar Chowk | 0.646 | 44.91 |
| 35 | Car | Madhapar Chowk | Bhandhan Party Plot | 0.98 | 36.46 |
| 36 | Car | Bhagat Singh Chowk | Jilla Panchayat Circle | 1.05 | 18 |
| 37 | Car | Mahilla College Chowk | Kotecha Circle | 0.87 | 23 |
| 38 | Car | Kishanpara Circle | Mahilla College Chowk | 0.43 | 26 |
| 39 | Car | Bandhan Party Plot | Shital Park | 0.41 | 32.5 |
| 40 | Bike | Raiya Telephone Exchange | Indira Circle | 0.7 | 22.51 |
| 41 | Bike | Indira Circle | West Zone 2 | 1 | 8.22 |
| 42 | Bike | West Zone 2 | Nana Mava Circle | 0.55 | 20.09 |
| 43 | Bike | Nana Mava Circle | Mahapuja Dham | 0.6 | 13.09 |
| 44 | Bike | Maha Pooja Dham | Om Nagar | 0.55 | 29.84 |
| 45 | Bike | Om Nagar | Mavdi Chowk | 0.55 | 16.89 |
| 46 | Bike | Mavdi Chowk | Umiyaji Chowk | 0.6 | 8.83 |
| 47 | Bike | Big Bazaar Junction | Nana Mava | 0.504 | 36.1 |
| 48 | Bike | Nana Mava Circle | Mahapuja Dham | 0.6 | 23 |
| 49 | Bike | Ayodhya Chowk | Madhapar Chowk | 0.646 | 34.2 |
| 50 | Bike | INOX | Platinum Hotel | 0.565 | 30.9 |
| 51 | Bike | Bal Udyan | Sharda Baag | 0.49 | 17.8 |
| 52 | Bike | New Era School | Bholeshwar Mahadev Temple | 0.72 | 14.6 |

| S.No | Mode | Start Point | End point | Distance (Km) | Avg. Speed (Km/h) |
|------|-------------|-----------------------|------------------------|---------------|-------------------|
| 53 | Bike | Bhagat Singh Chowk | Jilla Panchayat Circle | 1.05 | 27.2 |
| 54 | Bike | Umiyaji Chowk | Ambedkar Nagar Circle | 0.6 | 27.44 |
| 55 | Bike | Ambedkar Nagar Chowk | Goverdhan Chowk | 0.5 | 29.76 |
| 56 | Shared Auto | Big Bazaar Junction | Maha Pooja Dham | 1.1 | 26.8 |
| 57 | Shared Auto | Mavdi Chowk | Nana Mava | 1.74 | 18 |
| 58 | Shared Auto | Hanuman Modhi Chowk | Raiya Chowk | 0.75 | 12 |
| 59 | Shared Auto | Mahilla College Chowk | Kotecha Circle | 0.87 | 14.6 |

3.3.2.13 Willingness to use BRTS Perception survey

Perception survey has been conducted during the second site visit to Rajkot. Four questions has asked regarding BRTS usage and last mile connectivity option and total 36 survey samples have been collected. Out of total, 61% of respondents state that the 'BRTS station is far from their origin and destination' and that is the reason that they are not preferring BRTS as a mode of transport. 36% respondents state that 'High Speed – low journey time than other mode' is the reason for which they are or they will prefer BRTS as a mode of transport. More than 50% respondent have answered that more people can use BRTS if waiting time for BRTS is reduced. For preferred last mile connectivity option, about 44% respondents have opted for RMTS as the most preferred last mile connectivity mode. This was followed by 19% each for walk and auto rickshaw, while the least, i.e. 11% opted for cycling as the preferable last mile connectivity mode. Outcomes from perception survey have been presented in Table 43.

TABLE 43: PERCEPTION SURVEY OUTCOMES

| Why won't you use BRTS? | | | | |
|---|---|--|--|-------------------------------------|
| Poor, Unreliable Service-high wait time | Poor Quality of Buses, Uncomfortable Buses or station | Station access is difficult-difficult to cross road at junctions | Low Speed-Longer journey time than other modes | Station is Far from OD |
| 11% | 11% | 11% | 6% | 61% |
| Why would you use BRTS? | | | | |
| Great Service-low waiting time | Good quality of bus, very comfortable stations-great experience | Station is easy to access-easy to cross the road at junction | High speed-low journey time than other modes | Station is very close to my O D |
| 33% | 13% | 7% | 36% | 11% |
| If Waiting time for BRTS is reduced considerably, it will result in - | | | | |
| No change expected in number of people using it | some more people may use BRT | Many more people may use it | Considerable change (50%-75%) | The ridership will more than double |
| 19% | 53% | 25% | 0% | 3% |

| Which of the feeder options if improved/provided will make you use BRTS? | | | | | |
|--|----------------------------|--|-----------|---------------|-----------|
| Good Footpaths & pedestrian crossing | Cycles & good cycle tracks | Good Auto rickshaw & e-rickshaw connection | RMT Buses | None of these | Any Other |
| 19% | 11% | 19% | 44% | 4% | 4% |

4 Comparative analysis for last mile connectivity options

A total of six last mile connectivity options have been shortlisted based on literature review, as well as assessment of city mobility plan, BRT detailed project report (DPR) and experience from other cities in India. These options are:

1. Walk – Improved walkability to BRT corridor from surrounding areas/zones
2. Cycling – Improved bicycling infrastructure on access streets to BRT with or without an integrated bicycle sharing system.
3. RMTS buses – Operational, service and infrastructure planning of RMTS as specifically planned feeder service to BRTS
4. Hybrid BRT – Overlapping routes, using BRT corridor, but which connect origin and destination outside the corridor. These services may be operated by RRL or RMTS
5. Auto rickshaw – Organised auto rickshaw based feeder services, with scheduled trips and regulated (and integrated) fare structure
6. E rickshaw - Organised e-rickshaw based feeder services, with scheduled trips and regulated (and integrated) fare structure

As discussed in previous section, the city was divided into more than 180 zones for assessment of trip demand in terms of origin and destination. Based on this mode wise O-D data - daily trips X (origin + destination), forms the basis of estimating potential demand for the BRT feeder mode options listed above. To help quantify this demand, a spreadsheet based model has been developed. This section presents the details of this model along with its findings based on data from both current and horizon year.

4.1 Model Development and Base Year Results

The principle behind estimations in the model is the application of estimated cumulative probability of shift to BRT, (from each mode in each zone), on to total estimated travel demand from each zone. The cumulative probability estimate is based on the product of three probabilities – probability to shift because of overlapping trip length on the corridor as well as proximity to BRT station, probability of shift because of cost savings and probability to shift because of time saving. The product of cumulative probability and estimates of trips in each zone, provided the number of trips that may shift to BRT. The spreadsheet allows this estimation from each (current mode) to each of the proposed feeder modes.

4.1.1 Model Assumptions and default input data for estimation

To derive the estimates from the model, the first step is to include the input data such as current cost of using different modes, current average speeds and conditional probability of shift values. Average speed and journey cost data has been derived from the primary and secondary data collected as well as other secondary sources (discussed in the previous section). However, the probability of shift data based on different conditions, such as different overlapping trip lengths, has been assumed based on informed estimates.

Table 44 presents mode wise average speed used in the model (both for existing proposed condition) as data derived from primary and secondary data. Table 45 presents mode wise per

km cost (for undertaking the journey using that mode) as derived from primary and secondary data. Table 46 presents Access time, Changeover time and cost (both for existing proposed condition) as data derived from primary data. Table 47 presents the applicable conditions and assumed conditional probability of shift values, for application of probabilities based on distance from the corridor. Table 48 presents the applicable conditions and assumed conditional probability of shift values for application of probabilities based on relative journey cost saving. Table 49 presents the applicable conditions and assumed conditional probability of shift values, for application of probabilities based on relative journey time saving. Together the data presented in these tables forms the default input data in the model.

TABLE 44: MODE-WISE AVERAGE OPERATION SPEED (DEFAULT DATA IN MODEL)

| Average Operational Speed (Km/h) | | |
|----------------------------------|--|---|
| | Off BRT corridor | On BRT corridor |
| Car | 39.21 Km/h <i>(Derived from Primary Survey - Speed survey analysis Off BRT corridor)</i> | 36.74 Km/h <i>(Derived from Primary Survey - Speed survey analysis on BRT corridor)</i> |
| 2W | 22.63 Km/h <i>(Derived from Primary Survey - Speed survey analysis Off BRT corridor)</i> | 22.5 Km/h <i>(Derived from Primary Survey - Speed survey analysis on BRT corridor)</i> |
| 3W | 26.45 Km/h <i>(Derived from Primary Survey - Speed survey analysis Off BRT corridor)</i> | 25.92 Km/h <i>(Derived from Primary Survey - Speed survey analysis on BRT corridor)</i> |
| Shared 3W | 14.81 Km/h <i>(Derived from Primary Survey - Speed survey analysis Off BRT corridor)</i> | 14.81 Km/h <i>(Derived from Primary Survey - Speed survey analysis on BRT corridor)</i> |
| RMTS | 18.32 Km/h <i>(Derived from Secondary data - RMTS Bus Schedule)</i> | 18.32 Km/h <i>(Derived from Secondary data - RMTS Bus Schedule)</i> |
| BRTS | - | 18.48 Km/h <i>(Derived from Secondary data - BRTS Bus Schedule)</i> |
| Cyclist | 11 Km/h <i>(Source: NMT Planning and Design Guideline)</i> | 14 Km/h <i>(Source: NMT Planning and Design Guideline)</i> |
| Pedestrian | 4.14 Km/h <i>(Source: TRIPP, IIT Delhi, Mtech thesis – Sandeep Gandhi)</i> | 5.04 Km/h <i>(Source: TRIPP, IIT Delhi, Mtech thesis - Sandeep Gandhi)</i> |

TABLE 45: MODE-WISE COST PER KILOMETRE (DEFAULT DATA IN MODEL)

| Cost per Kilometre (Rs./Km) | | |
|-------------------------------------|---|---|
| | Off BRT corridor | On BRT corridor |
| Car (Existing & Proposed) | Rs. 6.10 / km <i>(Derived from actual fuel cost and maintenance cost)</i> | Rs. 6.10 / km <i>(Derived from actual fuel cost and maintenance cost)</i> |
| 2W (Existing & Proposed) | Rs. 3.40 / km <i>(Derived from actual fuel cost and maintenance cost)</i> | Rs. 3.40 / km <i>(Derived from actual fuel cost and maintenance cost)</i> |

| Cost per Kilometre (Rs./Km) | | |
|---|---|---|
| | Off BRT corridor | On BRT corridor |
| 3W (Existing) | Rs. 11.00 / km <i>(Derived from Rajkot auto rickshaw tariff charges)</i> | Rs. 11.00 / km <i>(Derived from Rajkot auto rickshaw tariff charges)</i> |
| E-rickshaw (Proposed) | Rs. 3.50 / km <i>(Derived from standard E-rickshaw charges (Rs.8/km) divided by avg. occupancy (2.29) of E-rickshaw)</i> | Rs. 3.50 / km <i>(Derived from standard E-rickshaw charges (Rs.8/km) divided by avg. occupancy (2.29) of E-rickshaw)</i> |
| Shared 3W (Existing) | Rs. 10.00 / km <i>(Derived from Shared auto rickshaw charges of Rajkot)</i> | Rs. 10.00 / km <i>(Derived from Shared auto rickshaw charges of Rajkot)</i> |
| Shared 3W (Proposed) | Rs. 4.50 / km <i>(Derived from standard auto rickshaw charges of Rajkot (Rs.11/km) divided by avg. occupancy (2.44) of shared rickshaw)</i> | Rs. 4.50 / km <i>(Derived from standard auto rickshaw charges of Rajkot (Rs.11/km) divided by avg. occupancy (2.44) of shared rickshaw)</i> |
| RMTS (Existing & Proposed) | Rs. 1.00 / km <i>(Derived from Secondary data - RMTS fare matrix)</i> | Rs. 1.00 / km <i>(Derived from Secondary data - RMTS fare matrix)</i> |
| RMTS – Hybrid BRTS (Proposed) | Rs. 1.00 / km <i>(Derived from Secondary data - RMTS fare matrix)</i> | Rs. 1.00 / km <i>(Derived from Secondary data - RMTS fare matrix)</i> |
| BRTS (Existing & Proposed) | - | Rs. 1.50 / km <i>(Derived from Secondary data - BRTS fare matrix)</i> |
| Cyclist | Rs. 0.00 / km | Rs. 0.00 / km |
| Pedestrian | Rs. 0.00 / km | Rs. 0.00 / km |

TABLE 46: CHANGEOVER TIME, ACCESS TIME AND CHANGEOVER COST (DEFAULT DATA IN MODEL)

| Modes | Existing Off BRT | | Existing On BRT |
|-----------------|-----------------------|---|---|
| | Changeover time (Min) | Access Time (min) | Access Time (min) |
| 3W | 0.00 min | 5.40 min <i>(Derived from walking time for 100m + junction crossing time (0.75min) for both access and egress + auto rickshaw waiting time (1min))</i> | 4.88 min <i>(Derived from walking time for 100m + junction crossing time (0.75min) for both access and egress + auto rickshaw waiting time (1min))</i> |
| Shared3W | 0.00 min | 12.20 min <i>(Derived from walking time for 300m + junction crossing time (0.75min) for both access and egress + shared rickshaw waiting time (2min))</i> | 10.64 min <i>(Derived from walking time for 300m + junction crossing time (0.75min) for both access and egress + shared rickshaw waiting time (2min))</i> |
| RMTS | 0.00 min | 24.43 min <i>(Derived from walking time for 610m +</i> | 21.27 min <i>(Derived from walking time for 610m +</i> |

| Modes | Existing Off BRT | | Existing On BRT |
|--------------------------|--|---|---|
| | Changeover time (Min) | Access Time (min) | Access Time (min) |
| | | <i>junction crossing time (0.75min) for both access and egress + RMTS bus waiting time (6min))</i> | <i>junction crossing time (0.75min) for both access and egress + RMTS bus waiting time (6min))</i> |
| BRTS | - | - | 18.77 min <i>(Derived from walking time for 610m + junction crossing time (0.75min) for both access and egress + BRTS bus waiting time (3.5min))</i> |
| Modes | Proposed Off BRT | | Proposed On BRT |
| | Changeover time (Min) | Access Time (min) | Access Time (min) |
| E-rickshaw | 7.79 min <i>(Derived from walking time for 75m + junction crossing time (0.75min) for both access and egress + E-rickshaw waiting time (1min)+ BRTS Bus waiting time(3.5m))</i> | 5.40 min <i>(Derived from walking time for 100m + junction crossing time (0.75min) for both access and egress + E-rickshaw waiting time (1min))</i> | 0.00 min |
| Shared3W | 8.79 min <i>(Derived from walking time for 75m + junction crossing time (0.75min) for both access and egress + shared rickshaw waiting time (2min)+ BRTS Bus waiting time(3.5m))</i> | 12.20 min <i>(Derived from walking time for 300m + junction crossing time (0.75min) for both access and egress + auto rickshaw waiting time (2min))</i> | 0.00 min |
| RMTS - Hybrid BRT | 0.00 min | 24.43 min <i>(Derived from walking time for 610m + junction crossing time (0.75min) for both access and egress + RMTS/BRTS bus waiting time (6min))</i> | 19.52 min <i>(Derived from walking time for 610m + junction crossing time (0.75min) for both access and egress + RMTS/BRTS bus waiting time (3.5min))</i> |
| RMTS | 13.38 min <i>(Derived from walking time for 100m + junction crossing time (0.75min) for both access and egress + RMTS bus waiting time (6min) + BRTS Bus waiting time (3.5m))</i> | 24.43 min <i>(Derived from walking time for 610m + junction crossing time (0.75min) for both access and egress + RMTS bus waiting time (6min))</i> | 0.00 min |
| BRTS | - | - | 19.52 min <i>(Derived from walking time for 610m + junction crossing time (0.75min) for both access and egress +</i> |

| Modes | Existing Off BRT | | Existing On BRT |
|---------------------------------|--|---|---------------------------------------|
| | Changeover time (Min) | Access Time (min) | Access Time (min) |
| | | | <i>BRTS bus waiting time (3.5min)</i> |
| Cyclist | 8.60 min <i>(Derived from walking time for 50m + junction crossing time (0.75min) + bicycle parking time (1.5min) for both access and egress + BRTS Bus waiting time (3.5m))</i> | 5.95 min <i>(Derived from walking time for 50m + junction crossing time (0.75min) + bicycle parking time (1.5min) for both access and egress)</i> | 0.00 min |
| Pedestrian | 6.19 min <i>(Derived from walking time for 50m + junction crossing time (0.75min) for both access and egress + BRTS Bus waiting time (3.5m))</i> | 0.00 min | 0.00 min |
| Changeover cost for RMTS | Rs. 4.50 <i>Difference between the total cost of travelling with RMTS and travelling on both RMTS and BRTS plying on the same route.</i> | | |

TABLE 47: PROBABILITIES FOR TRIP LENGTH AND TRIP COMPOSITION (DEFAULT DATA IN MODEL)

| Trip length and trip composition | Probabilities |
|--|---------------|
| Trip Length > Distance from the BRT | 2% |
| Trip Length > 0.8 km (Distance from the BRT) + Distance off the BRT > Distance from the BRT | 4% |
| Trip Length > 0.8 km (Distance from the BRT) + Distance off the BRT > 0.8 km Distance from the BRT | 6% |
| Trip Length > 0.6 km (Distance from the BRT) + Distance off the BRT > Distance from the BRT | 8% |
| Trip Length > 0.6 km (Distance from the BRT) + Distance off the BRT > 0.8 km Distance from the BRT | 12% |
| Trip Length > 0.6 km (Distance from the BRT) + Distance off the BRT > 0.6 km Distance from the BRT | 18% |
| Trip Length > 0.4 km (Distance from the BRT) + Distance off the BRT > Distance from the BRT | 14% |
| Trip Length > 0.4 km (Distance from the BRT) + Distance off the BRT > 0.8 km Distance from the BRT | 20% |
| Trip Length > 0.4 km (Distance from the BRT) + Distance off the BRT > 0.6 km Distance from the BRT | 26% |
| Trip Length > 0.4 km (Distance from the BRT) + Distance off the BRT > 0.4 km Distance from the BRT | 32% |
| Trip Length > 0.2 km (Distance from the BRT) + Distance off the BRT > Distance from the BRT | 22% |
| Trip Length > 0.2 km (Distance from the BRT) + Distance off the BRT > 0.8 km Distance from the BRT | 30% |
| Trip Length > 0.2 km (Distance from the BRT) + Distance off the BRT > 0.6 km Distance from the BRT | 38% |
| Trip Length > 0.2 km (Distance from the BRT) + Distance off the BRT > 0.4 km Distance from the BRT | 46% |
| Trip Length > 0.2 km (Distance from the BRT) + Distance off the BRT > 0.2 km Distance from the BRT | 54% |

| Trip length and trip composition | Probabilities |
|---|----------------------|
| Trip Length<0.2 km (Distace from the BRT) + Distace off the BRT> Distace from the BRT | 32% |
| Trip Length<0.2 km (Distace from the BRT) + Distace off the BRT>0.8km Distace from the BRT | 42% |
| Trip Length<0.2 km (Distace from the BRT) + Distace off the BRT>0.6km Distace from the BRT | 52% |
| Trip Length<0.2 km (Distace from the BRT) + Distace off the BRT>0.4km Distace from the BRT | 62% |
| Trip Length<0.2 km (Distace from the BRT) + Distace off the BRT>0.2km Distace from the BRT | 72% |
| Trip Length<0.2 km (Distace from the BRT) + Distace off the BRT<0.2km Distace from the BRT | 82% |

TABLE 48: PROBABILITIES FOR TRIP COST (DEFAULT DATA IN MODEL)

| Trip Cost | Probabilities |
|------------------------------------|----------------------|
| Existing Cost > Proposed Cost | 4% |
| 0.95 Existing Cost > Proposed Cost | 12% |
| 0.8 Existing Cost > Proposed Cost | 24% |
| 0.65 Existing Cost > Proposed Cost | 40% |
| 0.5 Existing Cost > Proposed Cost | 60% |
| 0.5 Existing Cost > Proposed Cost | 84% |

TABLE 49: PROBABILITIES FOR JOURNEY TIME (DEFAULT DATA IN MODEL)

| Journey Time | Probabilities |
|--|----------------------|
| Existing journey Time>Proposed journey Time | 4% |
| 0.95 Existing journey Time>Proposed journey Time | 12% |
| 0.8 Existing journey Time>Proposed journey Time | 24% |
| 0.65 Existing journey Time>Proposed journey Time | 40% |
| 0.5 Existing journey Time>Proposed journey Time | 60% |
| 0.5 Existing journey Time>Proposed journey Time | 84% |

4.1.2 Zone and mode wise present origin-destination demand

The current year daily trip demand from each zone and average trip length (mode wise) for these trips, has been estimated by combining primary data from origin and destination survey, bus ETM data (for RMTS and BRTS) and intersection traffic volume counts. The estimation methodology for this zone wise trip demand and average trip lengths has been discussed below for buses and for all other modes.

4.1.2.1 Zone wise Average Trip Length and Daily Trip Demand for Buses

Zone wise average trip length and daily trip demand has been estimated for RMTS and BRTS passengers using the ETM data from the two services. ETM data is available on the bases of bus stop to bus stop trips for each route. This data has been classified in to boarding trips that cross or touch the BRT corridor (from each boarding station) and alighting trips that originate from bus stops on the other side of the BRT corridor. Thus only trips which extended upto or beyond and from or before the BRT corridor were accounted for. From the ETM data average trip lengths of both upward and downward trips and for both boarding and alighting was derived

at each bus stop. Trip length was estimated by plotting all bus stops on google earth and including distances between each bus stop compare in the analysis.

Following this all bus stops were marked on the google earth and classified as per zones within which they are located. Sum of daily boarding and alighting figures for all bus stops (from different or same routes) following within each zone were totalled as the bus trips originating or destined to that zone. Similarly using bus stop wise O-D data, weighted average trip length for bus trips in each zone as derived. Since this trip length was a representation of bus stop to bus stop trip length and not a door to door trip length, an average of access and egress trip length needed to be added. This average access and egress trip length is. 1.22 km. This value has been derived from the O-D survey conducted at the BRTS stations and discussed in previous section.

Since O-D survey were not conducted at RMTS stops, and because the average access and egress distance is estimated to be less than the dimensions of each zone, it was assumed that the O-D for RMTS passenger lies in the zone at which the journey begins or ends. However, O-D survey was conducted at BRTS stations and a percentage breakup of trips from different zones is known. This percentage breakup was applied to daily number of boarding and alighting trips at each bus stop, in order to generate the actual daily O-D data for the BRTS trips. Similar to the method used for RMTS, ETM data was used to estimate the zone wise numbers and average trip length of BRTS commuters.

Annexure 8.7 presents the zone wise average trip demand and trip length for commuters using RMTS and BRTS services.

4.1.2.2 Zonewise Average Daily Trip Length and Trip Demand for Commuters Using Modes other than Buses

O-D survey for commuters using modes other than buses was conducted at all intersections on the BRT corridor. The findings of this survey have been discussed in the previous section. Using this O-D survey origin and destination of these trips (mode wise) has been assigned to the defined zones along with their trip length. Hence zone and mode wise average trip length is known along with the breakup of average trips from each zone that overlaps with the corridor and that which is off the corridor.

However this data is a sample collected at a particular time of the day, and can be used as a zone wise representational percentage of trips from each intersections. This when multiplied with the daily arm, direction and mode wise trip data provides the number of non bus trips and average trip length (by each mode) from each zone. Annexure 8.8 presents the zonewise average trip demand and trip length for commuters using modes, other than buses and presents zone wise daily demand of commuters using or crossing BRT corridor for each of the surveyed modes.

Figure 35 presents the aggregated trips (excluding BRTS commuters) from each zone using parts of the BRT corridor or crossing the same.

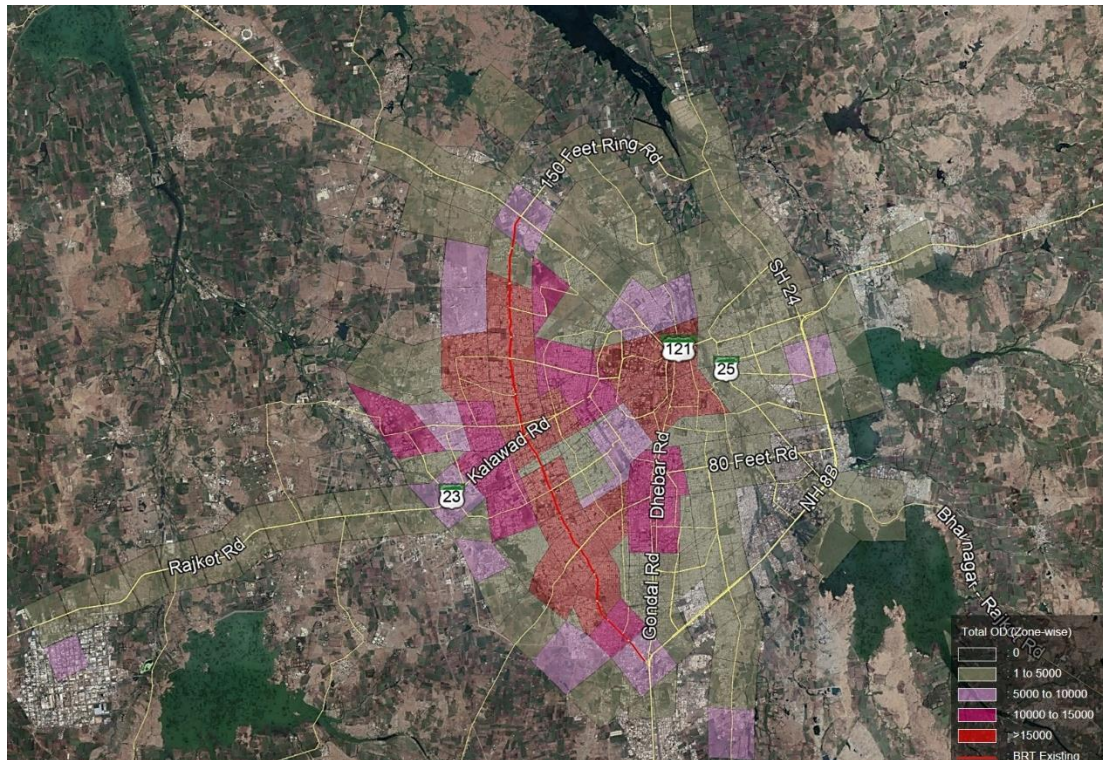


FIGURE 35: O-D IN BASE YEAR

It is evident from the figure presented above that maximum number of ODs are from zone 109 i.e., KKV Chowk (color coded red) and minimum is zero (having no colour). Apart from zones along BRTs corridor, another maximum ODs (color coded red) can be seen near bus terminal and race course having zone numbers 77, 78, 91 & 92. Zones having majority of ODs which are more than 15000 in numbers are falling along/within half a km of the BRT corridor. Where as ODs ranging from 10,000 to 15,000 (color coded magenta) and 5000 to 10,000 (color coded pink) are falling within a range of 1-2km. Also, it has been observed that there are two prominent distant zones ranging 5000 to 10,000 ODs from Metoda (zone no. 177) and Kothariya (zone no. 165).

4.1.3 Model Outputs for Base Year

Zone wise trip demand and trip length data, including data on breakup of trip length on and off the BRT corridor, for all modes was input in the model along with the default data discussed above. The model uses the trip length data to estimate the average journey time and journey cost by different modes from each zone. Similarly journey time and cost is estimated as a combination of different feeder and BRT trips for specific existing journey details for each mode from each zone. Default probability values (discussed above) are applied to the comparison of these current and proposed journey time and cost data, to estimate the overall probability of shift from each current mode to each feeder mode for each zone. Zone wise model outputs in terms of expected shift from each existing mode to each feeder mode for each zone has been presented in Annexure 8.9. Figure 36 to Figure 41 presents zone wise aggregated demand for different proposed feeder modes to BRT in the current year.

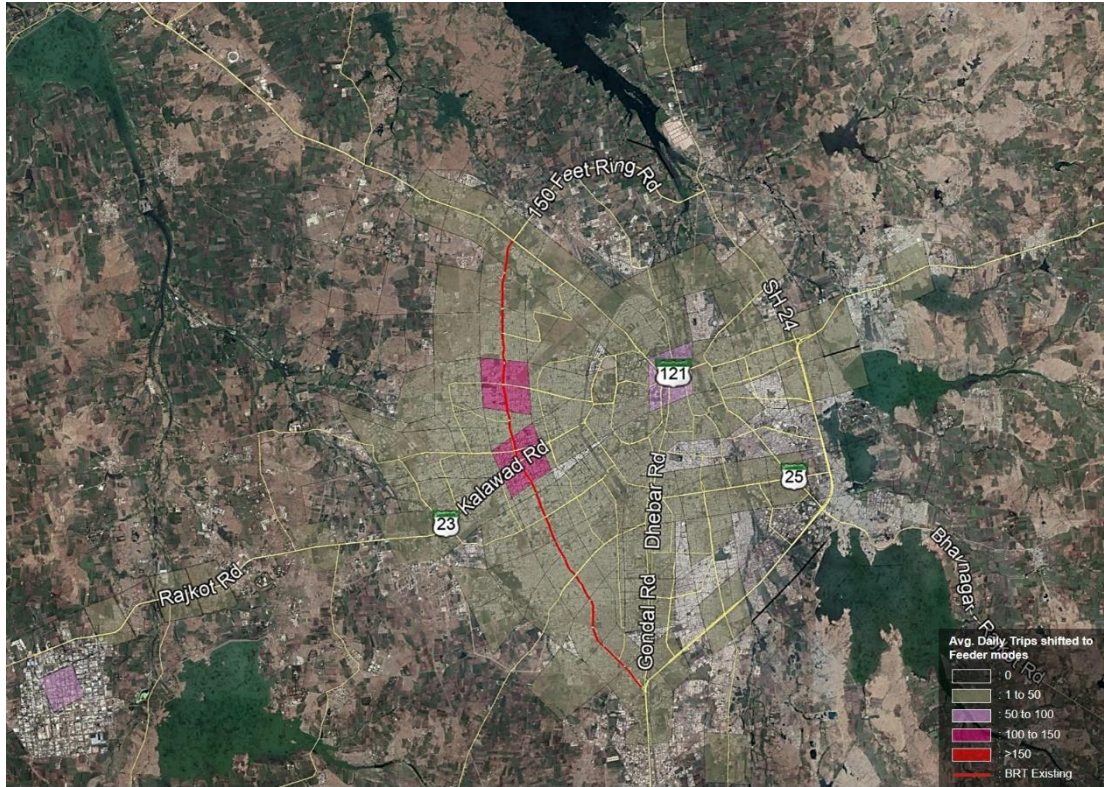


FIGURE 36: AVERAGE TRIPS SHIFTED TO FEEDER WALK IN BASE YEAR

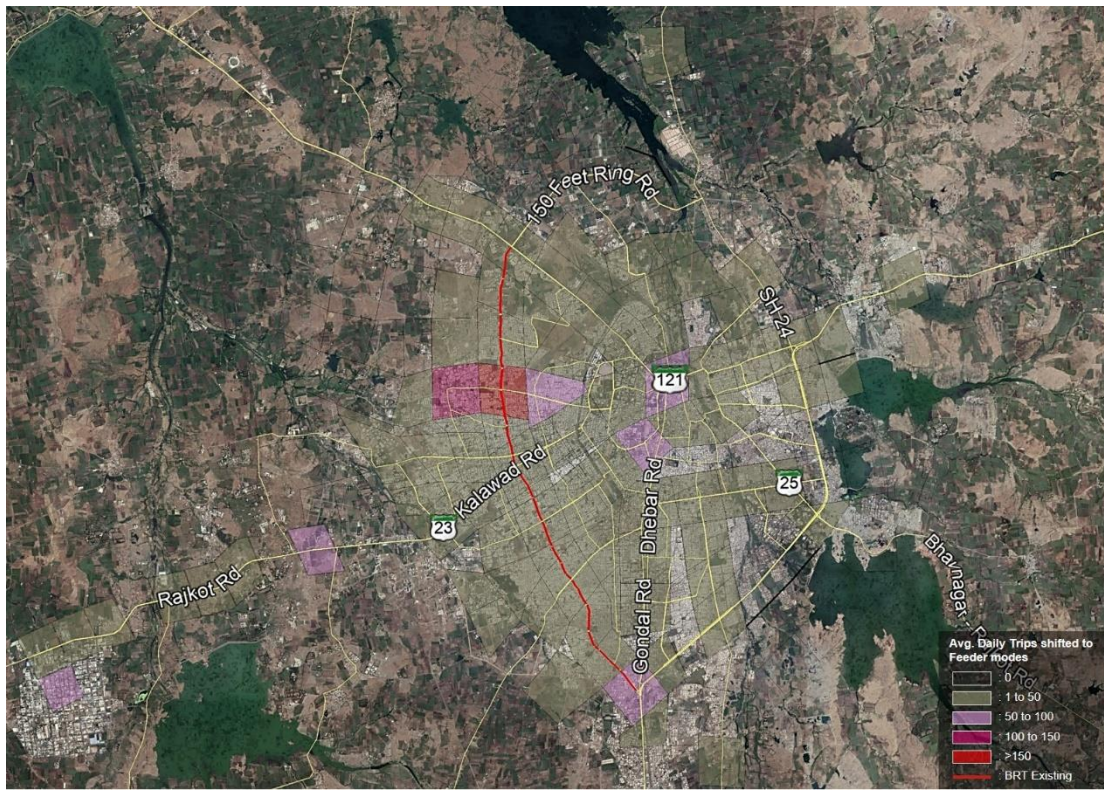


FIGURE 37: AVERAGE TRIPS SHIFTED TO FEEDER BICYCLE SHARING IN BASE YEAR

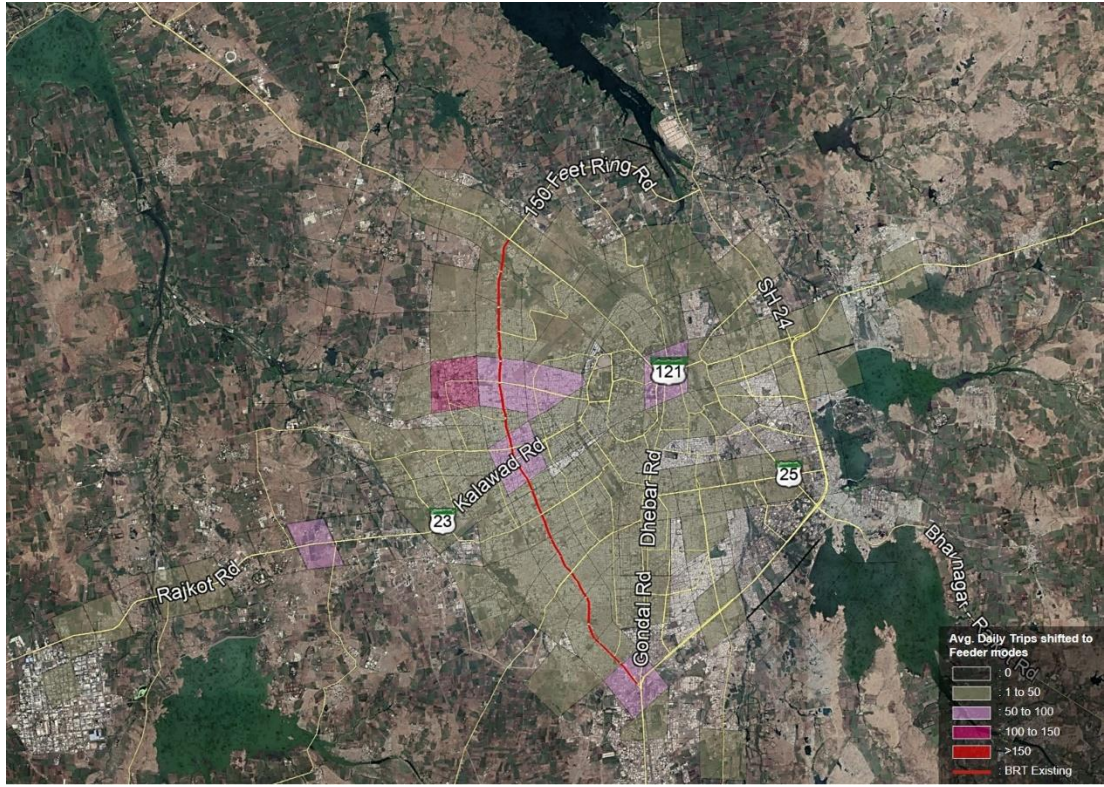


FIGURE 38: AVERAGE TRIPS SHIFTED TO RTMS-BUS FEEDER IN BASE YEAR

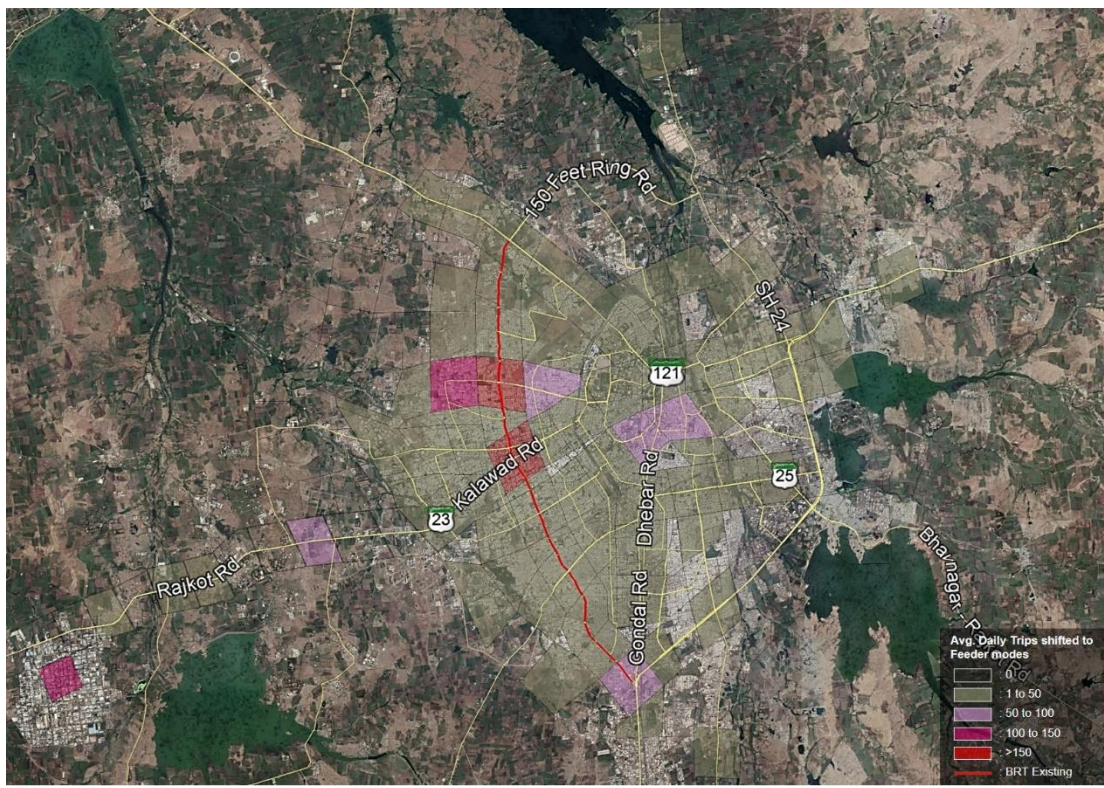


FIGURE 39: AVERAGE TRIPS SHIFTED TO HYBRID FEEDER IN BASE YEAR

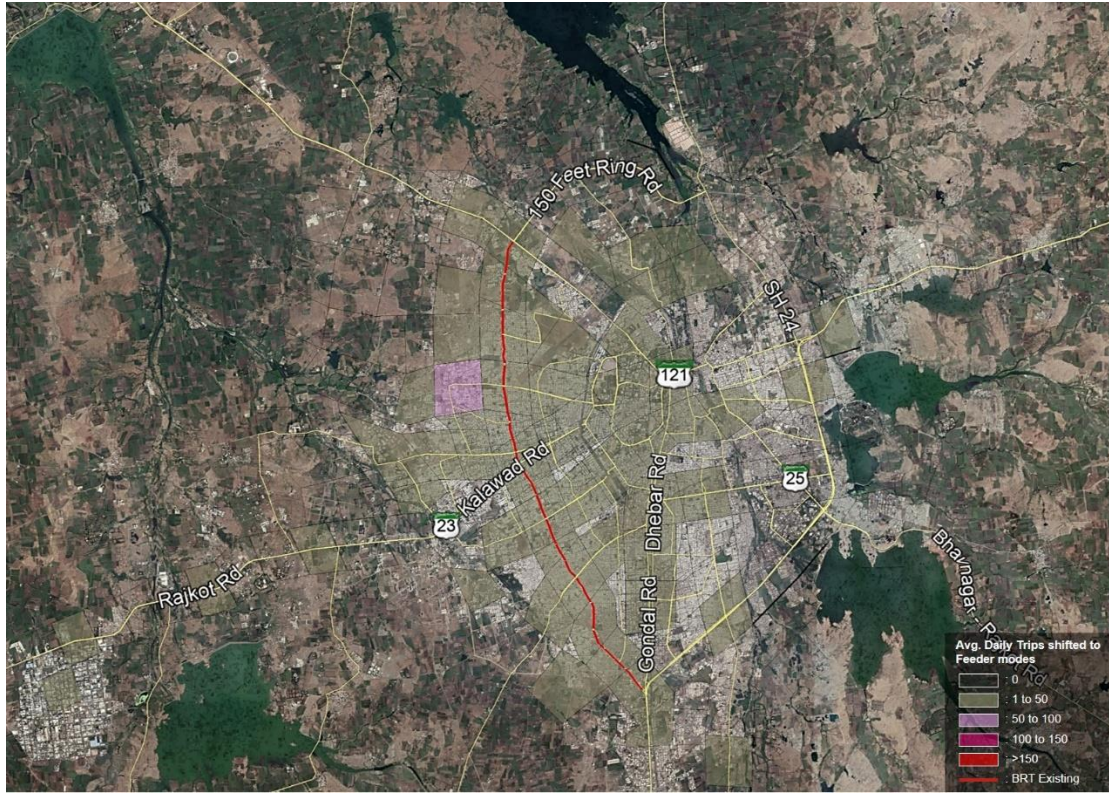


FIGURE 40: AVERAGE TRIPS SHIFTED TO SHARED 3W IN BASE YEAR

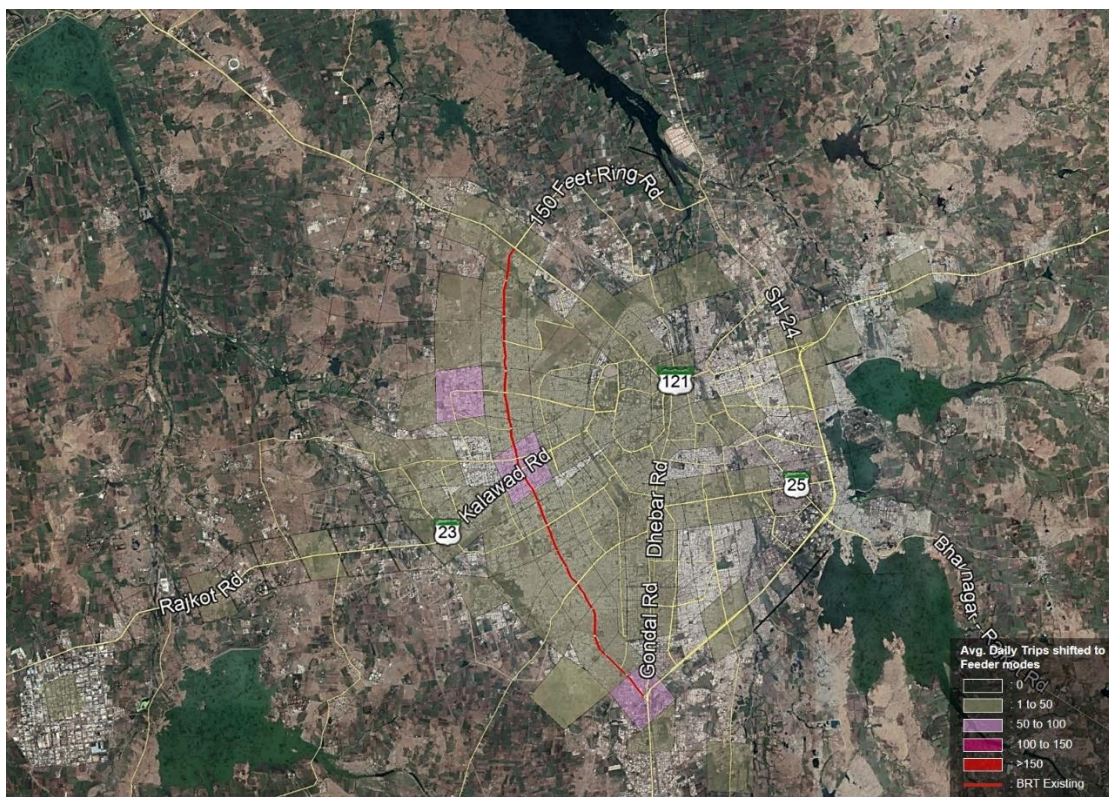


FIGURE 41: AVERAGE TRIPS SHIFTED TO E RICKSHAW IN BASE YEAR

It is evident from the figures presented above that Hybrid feeder mode is likely to shift maximum number of commuters to BRT. This is because journey cost of 2W, 4W and Shared Auto users is significantly reducing if they are shifting to hybrid mode. Overall the model suggests that on

an average a total of 7543 no. of trips, which is 0.96 percent of trips currently using parts of the BRT corridor or crossing it, shall shift to BRT if the above listed feeder modes are introduced.

4.2 Horizon year scenario development

Two horizon years planned for in this study are 2023 and 2028. It is expected that based on the achieved changes in Urban development in the city horizon year scenario and demand can be defined. These have been defined for each of the two horizon years in the following sub sections. Subsequent section also presents the model input and outputs based on each horizon year scenario.

4.2.1 Horizon Year 2023

Because of the current rapid increase in the development of land around the BRT corridor (including observed historic trend from 2010) it is expected that all undeveloped/vacant land along the BRT corridor would have been developed in line with the current development pattern. This includes Madhapar, Ayodhya chowk, Shital park, Nanavati chowk, Raiya, Nana mauva, Om nagar chowk, Ambedkar chowk, and Punit chowk Pockets of land measuring and area of 3.1 Ha (Residential), 16.7 Ha (Residential), 6.97 Ha (Residential), 1.72 Ha (Commercial), 4 Ha (Mixed landuse), 1.44 Ha (Mixed landuse), 3.52 Ha (Institutional), 1.80 Ha (Commercial), 19.3 Ha (Residential), 1.95 Ha (Institutional), 1.14 Ha (Commercial), 7.75 Ha (Residential), 0.87 Ha (Mixed landuse), 2.32 Ha (Public Open Land), 7.87 Ha (Residential), 1.15 Ha (Residential), 2.15 Ha (Residential), 3.29 Ha (Residential), 0.98 Ha (Residential), 1.59 Ha (Residential), 0.57 Ha (Residential), 2.22 Ha (Residential), 2.44 Ha (Residential), and 3.75 Ha (Residential) respectively. The expected land use for these pockets has been presented in Figure 42. The expected catchment in terms of origin destination of commutes using parts of BRT corridor has been assumed to be the same as that of other land pockets in the BRT catchment area with current similar land use. In addition to additional trips attributed to land use change, current number of trips from all zones in the city, are expected to be incremented based on two reasons – urban population growth rate of 39% (annually), and increase in trip rate attributed to expected increase in income leading to resultant increase in travel budget. The assumed trip rate in 2023 is expected to increase by 5% over the current year trip rate. Based on the above mentioned expected rate of increase in trips and trip rate, a demand estimation factor of 0.24% has been included in the model. Additionally zones with little or no trip demand because of limited land development have been assigned trip demand figure based on reference from similar zones. These revised zones are 38, 60, 66, 81, 116, 118, 136, 144 and 146. Mode wise expected trip demand from each zone in horizon year 2023 has been presented in Annexure 8.10. Figure 43 Presents the expected, aggregate trip demand in 2023 from different zones in the city.

Apart from expected changes in demand, changes are expected in the operations of RMTS and RRL services in the future, as a part of the evolution process of these two organizations. For example, it is expected that in the next five years, RMTS and RRL would have figured out an integrated ticketing systems for the two organizations. As a result the changeover cost involved (discussed in previous section) between RMTS and RRL would reduce to zero (i.e existing changeover cost Rs. 4.50 in current year would reduce to Rs. 0 in 2023).

It is also assumed that traffic on the road in the next five years would increase. This will affect on the average speed of vehicles other than BRTS and NMT modes (i.e. bicyclists and pedestrians). It is assumed that the speed of vehicles will reduce by 5% in next five years. Thus the average speed in 2023, for each mode, has been evaluated by reducing average speed in current year by 5%.

Similar to changes in vehicle speed, changes in parking charges would also get increase in the next five years as “Pay and Parking scheme” will get implemented throughout Rajkot. This will affect the access cost for private vehicle users. The charges for parking has been estimated by assuming Rs. 15 and Rs. 30 charges for 2 Wheelers and 4 wheelers respectively.



FIGURE 42: EXPECTED LAND USE FOR YEAR 2023

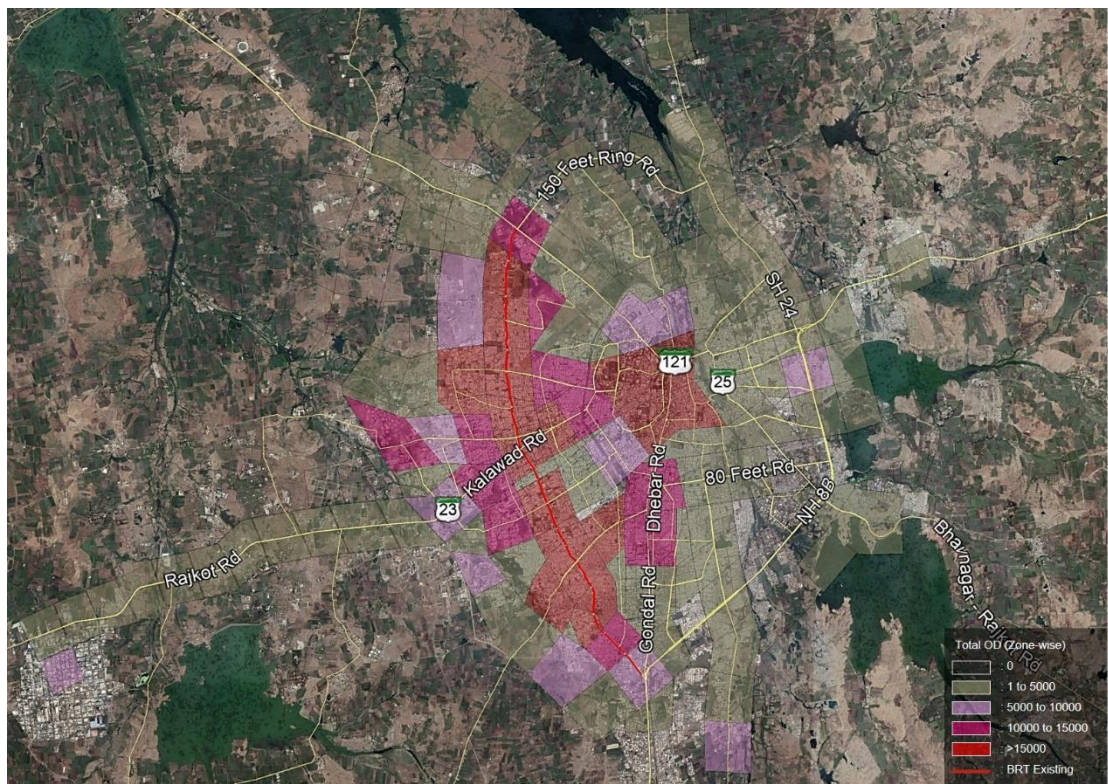


FIGURE 43: EXPECTED AGGREGATED O-D IN 2023

4.2.2 Horizon Year 2028

Area based development (ABD) under the smart city proposal, is a green field development in Rajkot. This is a total of 371 hectare land pocket located at west side of city near Raiya village and Saurashtra University campus. The proposed site is 7km away from airport and 9.4km away from railway station. Proposed ABD is connected with existing BRTS corridor by two major roads, i.e. by Raiya road (meeting BRT corridor at Raiya junction) and by Raiyadhar road (meeting BRT corridor at Ramdevpir junction). The distance between proposed ABD and existing BRTS corridor is 4.5km. Figure 44 Presents the proposed area based development plan, while Figure 45 presents the location of ABD in the city along with the major streets linking it to the rest of the city.

RMC also proposes to develop high speed BRTS network on the streets feeding the ABD. This network totals to approximately 27.6 km of BRT network that shall be added to the current BRT network alongside the development of ABD. Figure 46 presents the proposed extension to the BRTS network.

It is expected that by the year 2028, ABD development and the development of the proposed extension to BRT network would have been completed. This is likely to influence the demand from the zones in this area. It is assumed that the newly developed areas and the zones around it would witness a similar pattern of demand as has been recorded around the current BRT corridor. In addition demand from all zones will be influenced by the increase in urban population and the expected increase in trip rate due to increasing income levels. Based on the explanation presented in previous section, a two types of correction figures has been estimated to be applied to all zone O-D demand over the current year O-D figures. First type of corrections applied on zones which are on/adjacent to existing or proposed BRTS corridors. 10% increase in O-D trips has been applied to all zones from which existing or proposed BRTS corridors are passing (which are zone no. 33, 34, 35, 38, 62, 63, 65, 66, 81, 82, 83, 109, 115, 139, 166, 180, 181, 182, 183, 184, 185, 186, 187, 188 and 189). While 5% increase in O-D trips has been applied to all zones which are adjacent to existing or proposed corridors (which are 20, 21, 31, 32, 366, 37, 58, 59, 60, 61, 64, 67, 80, 85, 86, 87, 88, 89, 106, 110, 111, 112, 113, 114, 116, 138 and 140). Second type of O-D correction has been done for zones which will developed in 2028 because of 'Area based development' (ABD) which are 33 to 37, 61 to 65, 82 to 84 and 178 to 193. This has been estimated by applying the O-D of similar zones to ABD zones. Every zone which is on Jamnagar Highway (33, 34 and 35) has been estimated as 25% of O-D of zone no. 68 which is also on Jamnagar Highway. Each zone which is next to existing BRT corridor (within 1km) has been estimated as 25% of O-D of zone no. 82 which is a similar zone. For zones which are located between 1km to 1.5km from existing BRT corridor (36, 61 to 64, 83, 84 and 180), each has been estimated as 25% of O-D of zone no. 139 which is a similar zone. As Race course area is proposed in ABD, surrounding each zone of proposed ABD (i.e. 181, 182, 183, 185 and 186) has been estimated as 20% of O-D of zone no. 78 which is a zone including existing Race course area.

Apart from expected changes in demand, it is also assumed that traffic on the road in the next five years (2023-2028) would increase. Because of this, the average speed for vehicles other than BRTS and bicyclists and pedestrians will be reduced by 5%. Thus the average speed in 2028, for each mode, has been calculated by multiplying average speed of vehicles in 2023 by 0.95.

Due to increase in private vehicle numbers in year 2028, private vehicle owners will face the shortage of parking spaces. This will result in increase in the access time for private vehicle users. Thus it is assumed that access time for private 4-wheeler will be increased by 15 min while the access time for private 2-wheeler will be increased by 8 min.

The resultant zone and mode wise expected O-D demand and average trip length in 2028 has been presented in Annexure 8.11. Figure 47 presents the expected, aggregate trip demand in 2028 from different zones in the city.

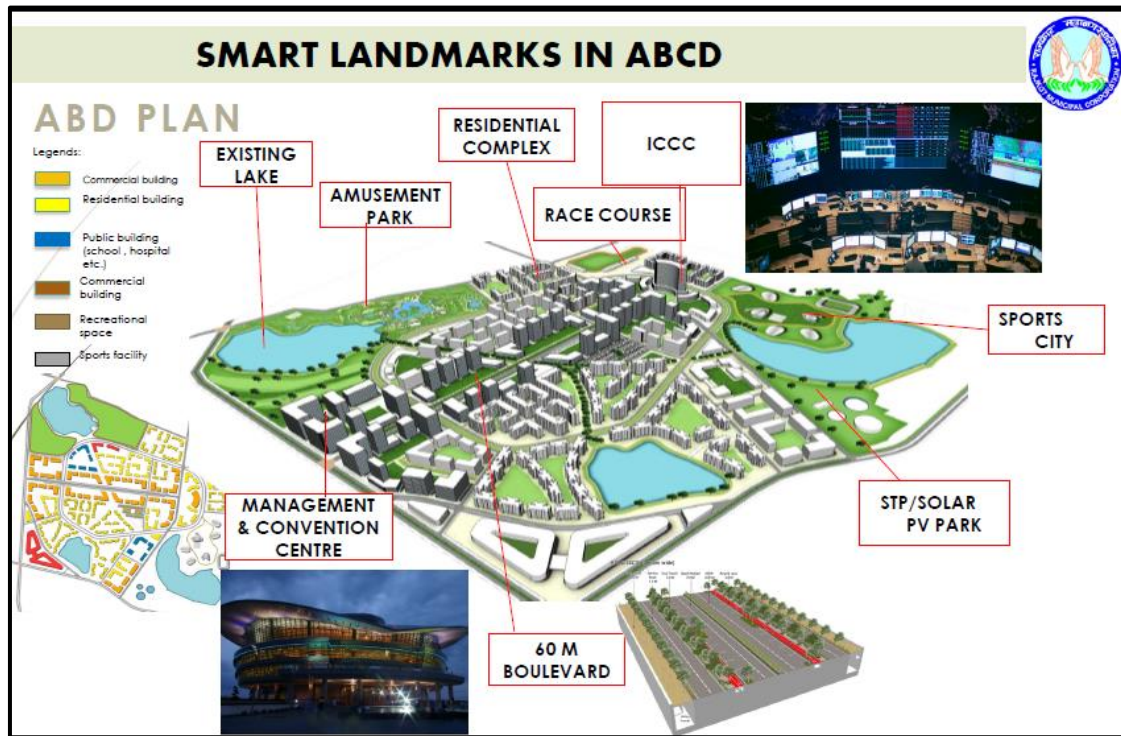


FIGURE 44: AREA BASED DEVELOPMENT PLAN

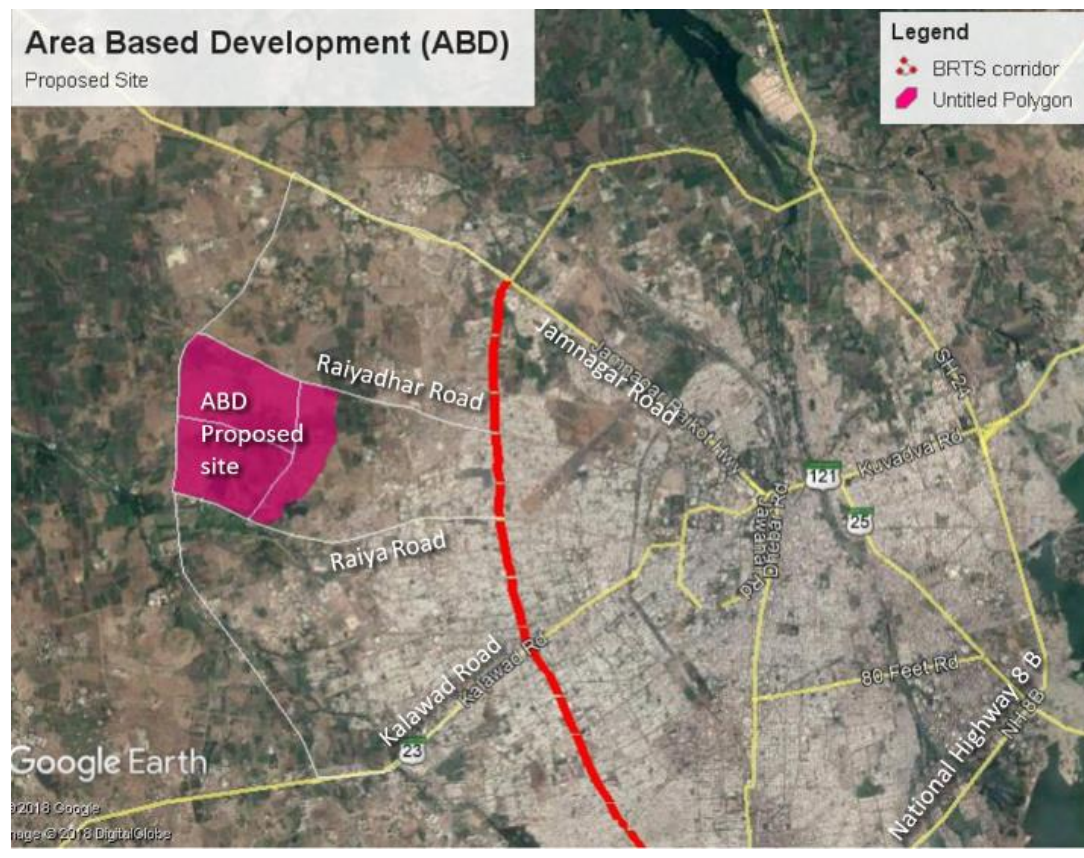


FIGURE 45: AREA BASED DEVELOPMENT PROPOSED SITE LOCATION

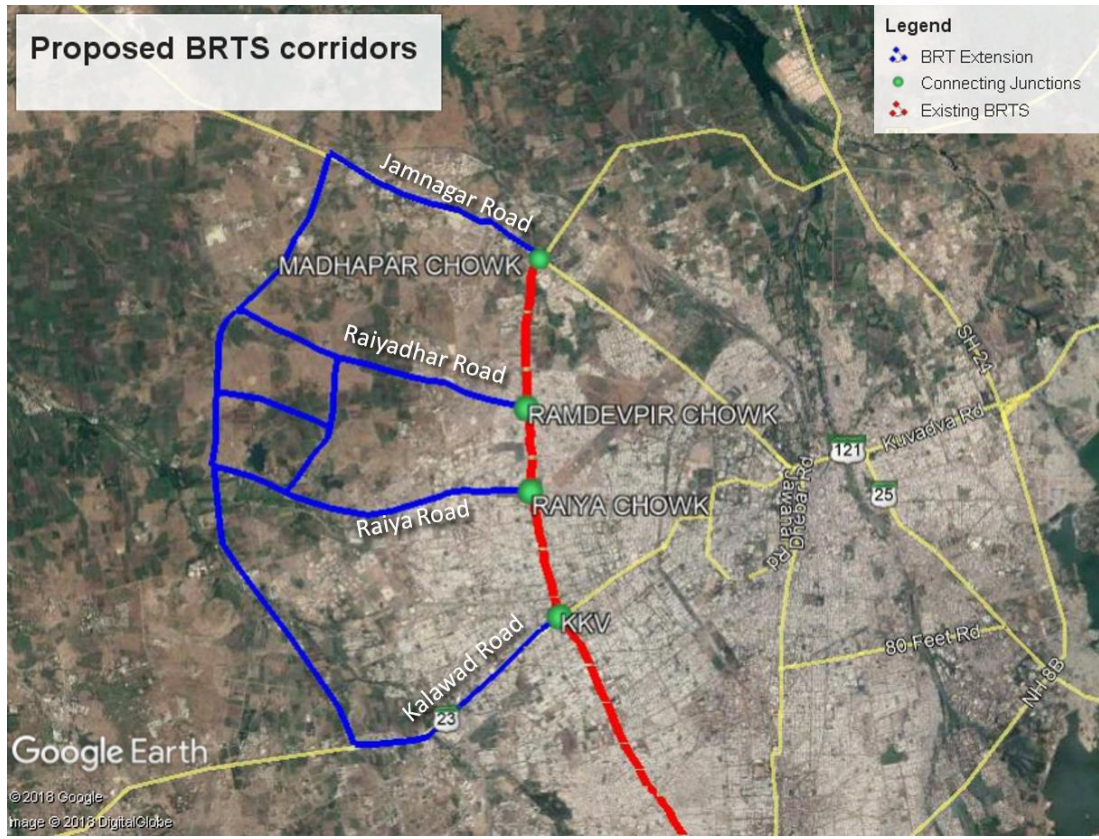


FIGURE 46: PROPOSED EXTENSION OF BRTS NETWORK

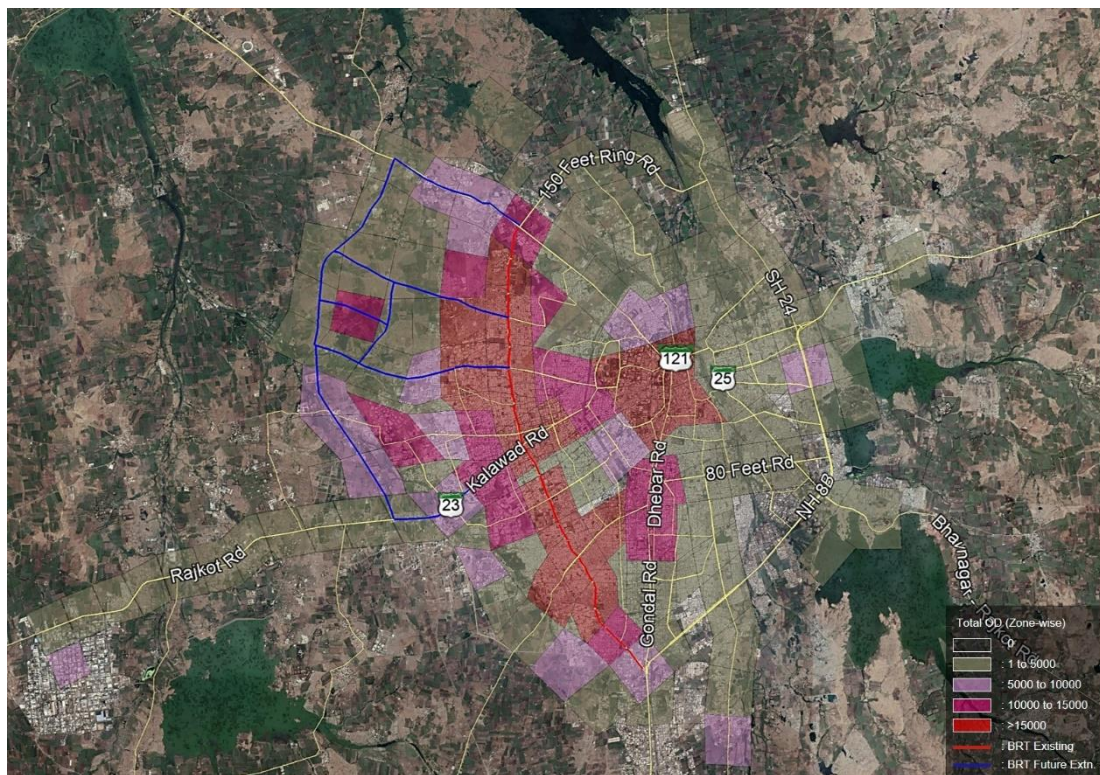


FIGURE 47: EXPECTED AGGREGATED O-D IN 2028

4.2.3 Model Inputs and Outputs for horizon year

Based on the factor loading values for each of the horizon year that were derived from expected land use development and population growth rates (as discussed above), the zone wise input data in the model (O-D values for each zone and each mode) were revised. However no changes were made to average trip length and average distance travelled on and off the corridor. This is because in such a short time frame urban sprawl for the city is not expected to reach a stage where average trip length would be significantly altered. In addition to changes in input O-D data, the fault value of changeover cost between RMTS and BRTS has been set to 0 (from Rs. 4.5 in the current year model). This is based on the expected development in RMTS and RRL ticketing systems, leading to an integrated fare system, minimising changeover losses for passengers.

Based on the revised input data for both the scenarios, revised output was generated in terms of estimated number of trips that are likely to shift from each mode in each zone to each of the six evaluated feeder modes.

4.2.3.1 Horizon Year 2023

The detailed model output has been presented in Annexure 8.12 for horizon year 2023. Figure 48 to Figure 53 presents zone wise aggregated demand for different proposed feeder modes to BRT in this horizon year.

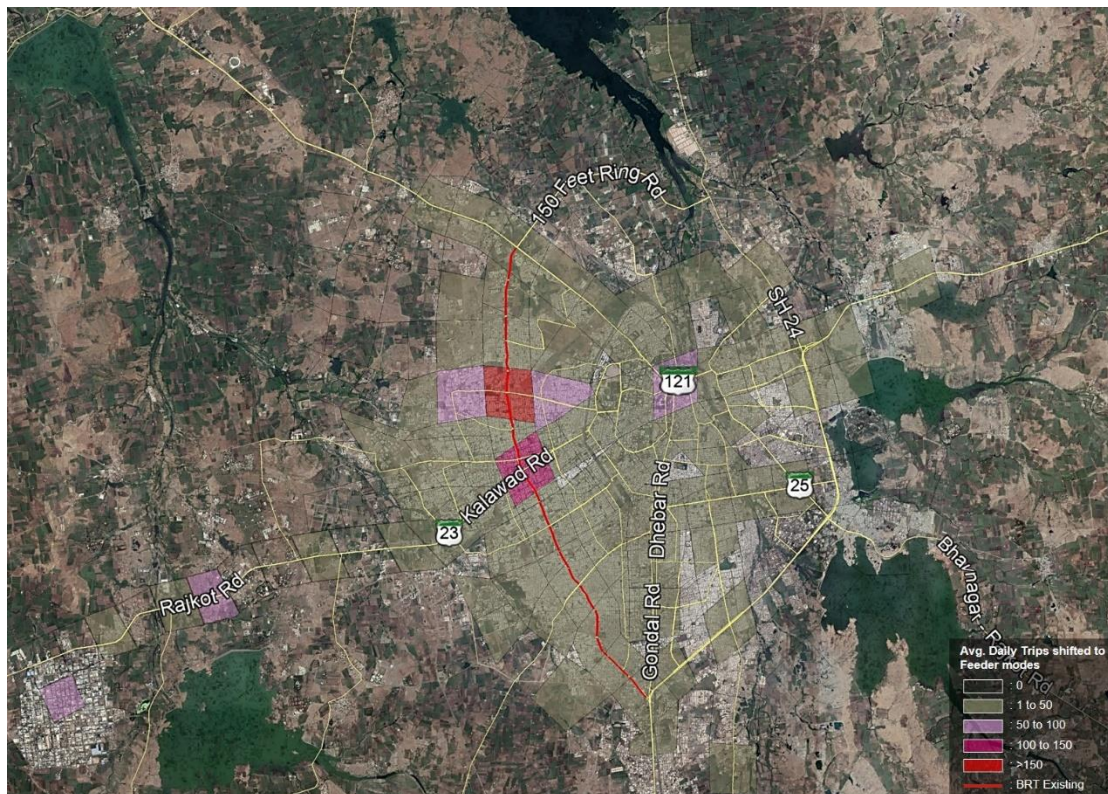


FIGURE 48: AVERAGE TRIPS SHIFTED TO FEEDER WALK IN 2023

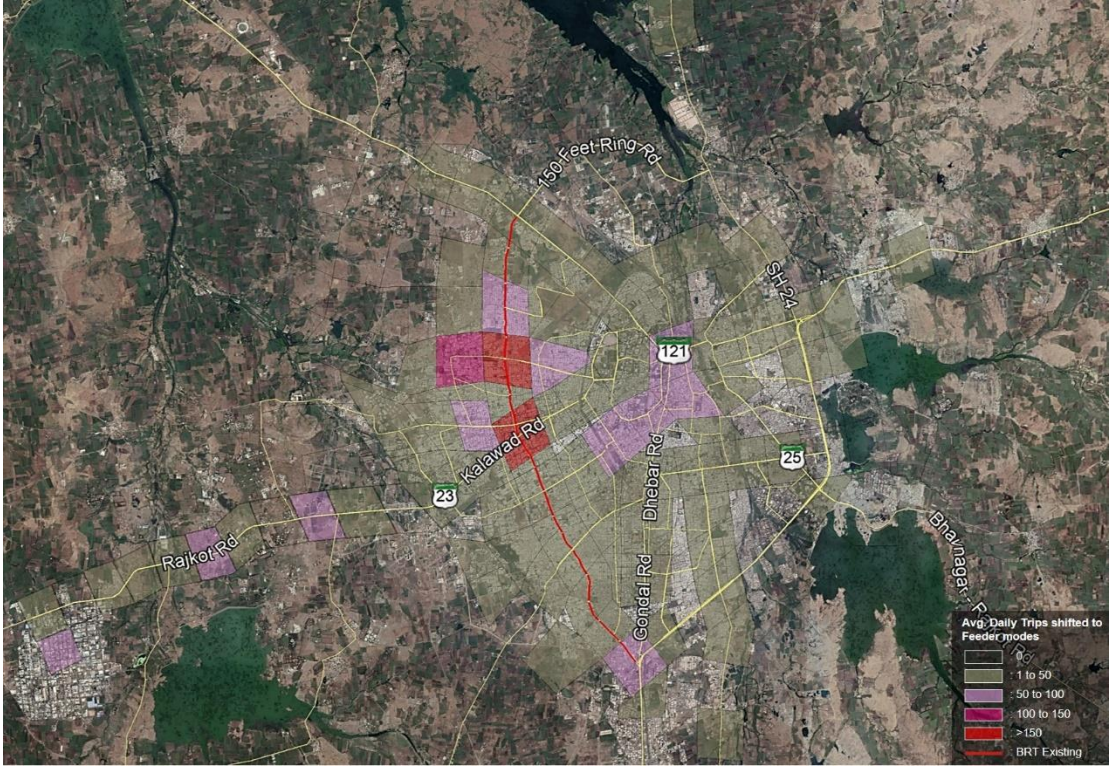


FIGURE 49: AVERAGE TRIPS SHIFTED TO FEEDER BICYCLE SHARING IN 2023

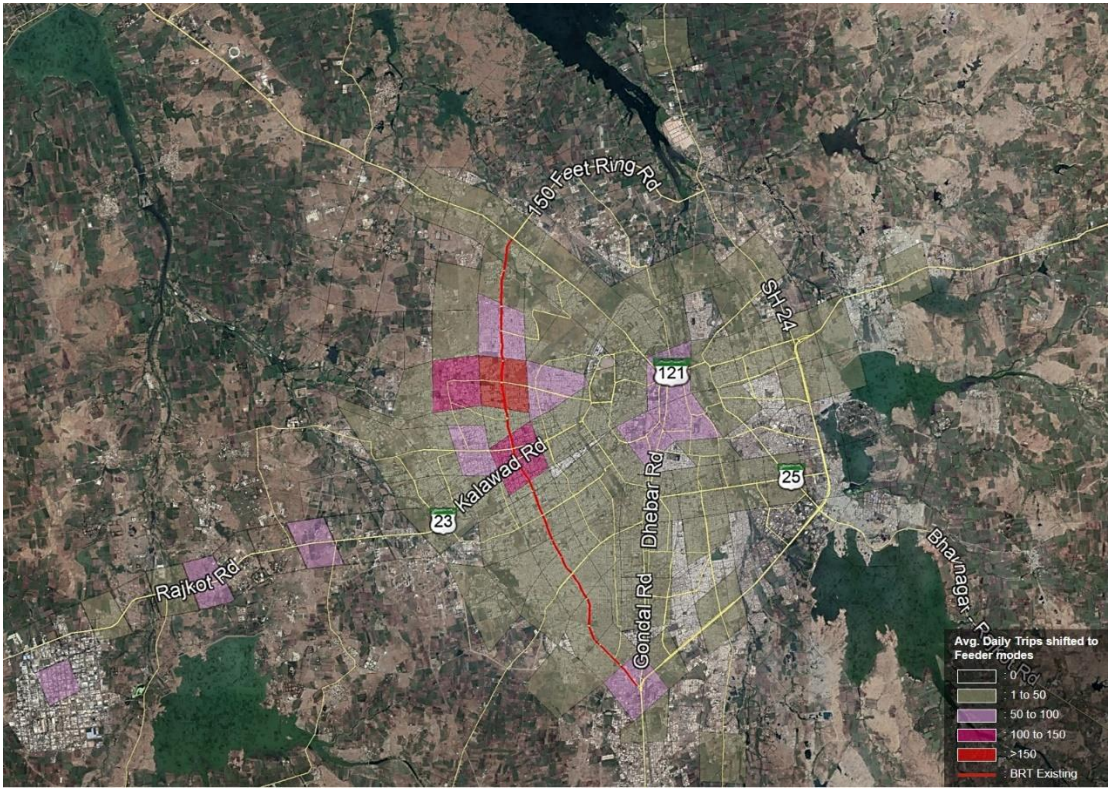


FIGURE 50: AVERAGE TRIPS SHIFTED TO RMTS - BUS FEEDER IN 2023

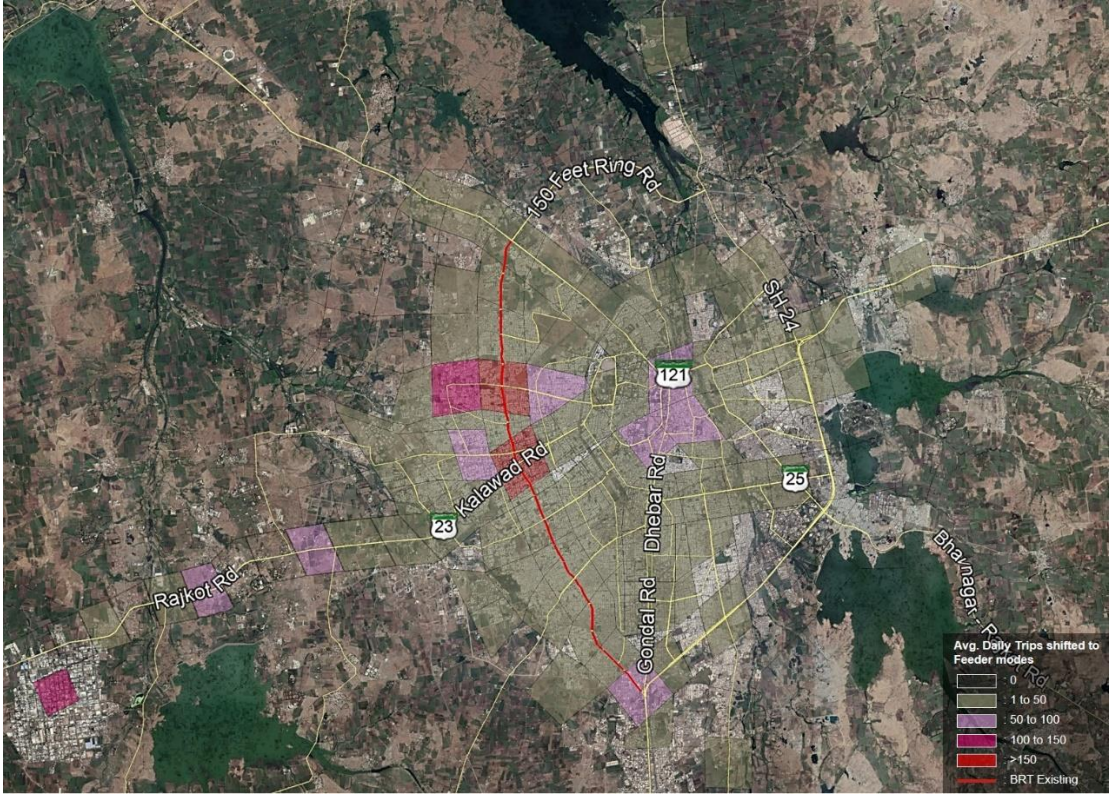


FIGURE 51: AVERAGE TRIPS SHIFTED TO HYBRID FEEDER IN 2023

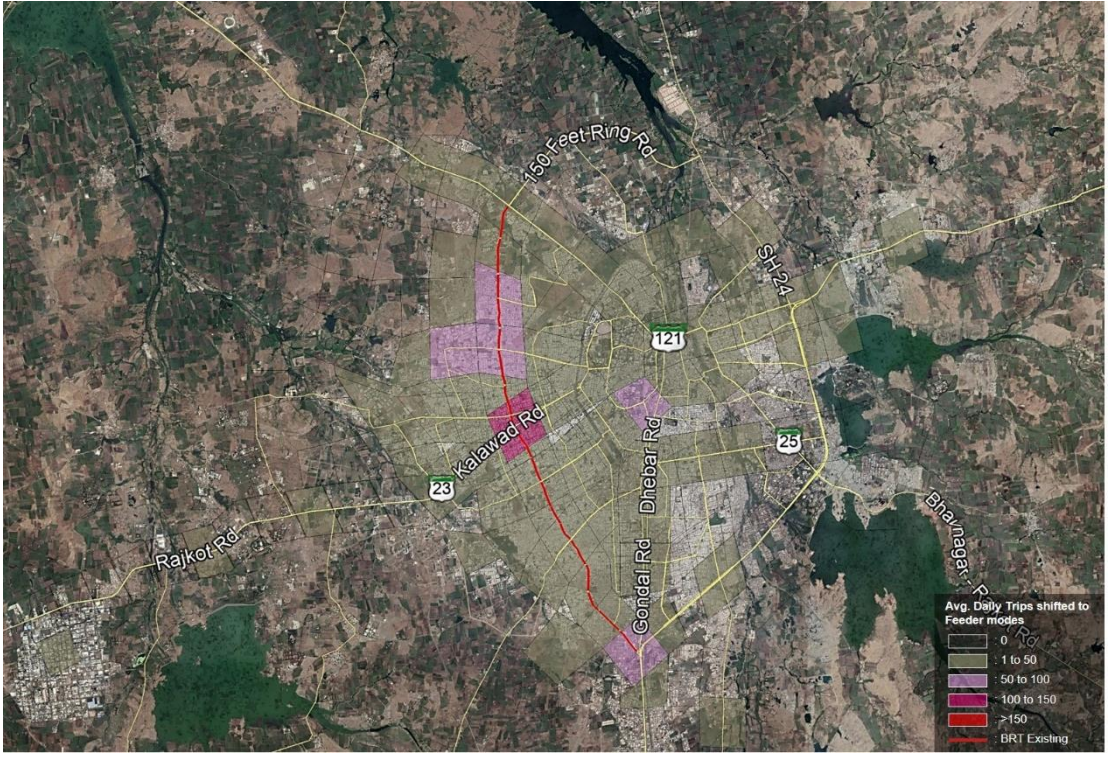


FIGURE 52: AVERAGE TRIPS SHIFTED TO SHARED 3W IN 2023

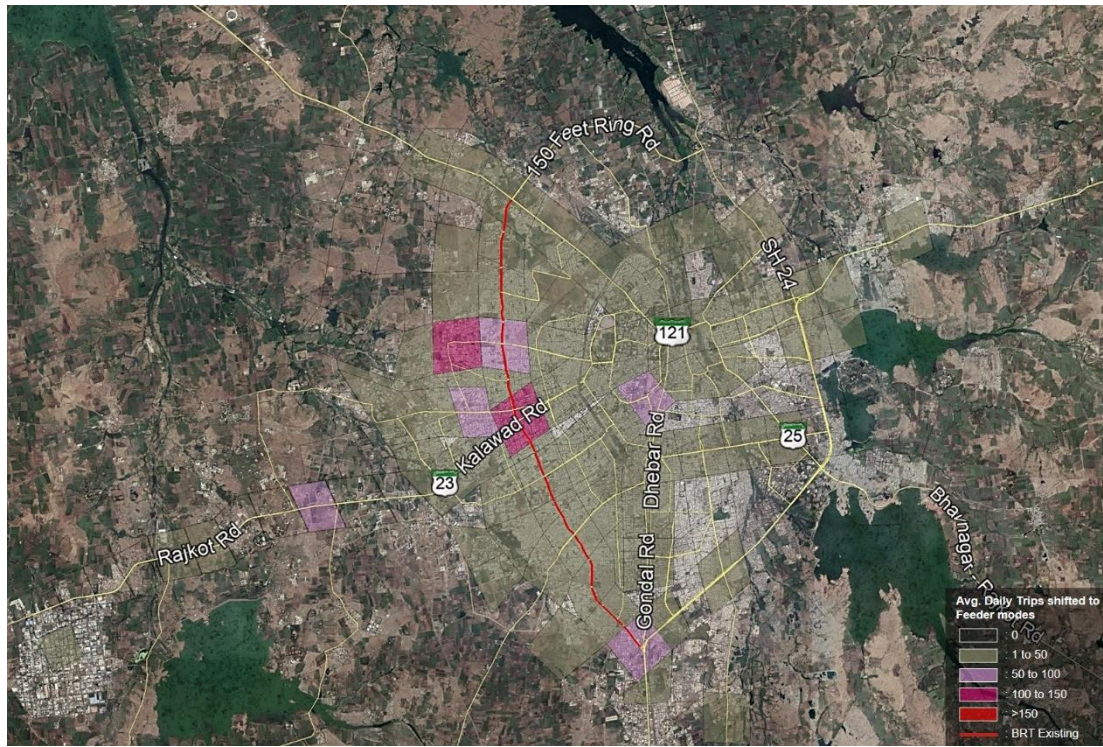


FIGURE 53: AVERAGE TRIPS SHIFTED TO E RICKSHAW IN 2023

It is evident from the figures presented above that Bicycle Sharing feeder mode is likely to shift maximum number of commuters to BRT. This is because journey cost of 2W, 4W and Shared Auto users is significantly reducing if they are shifting to bicycle sharing mode. Overall the model suggests that on an average a total of 11200 no. of passenger trips, which is 1.11 percent of trips currently using parts of the BRT corridor or crossing it, shall shift to BRT if the above listed feeder modes are introduced.

4.2.3.2 Horizon Year 2028

The detailed model output has been presented in Annexure 8.13 for horizon year 2028. Figure 54 to Figure 59 presents zone wise aggregated demand for different proposed feeder modes to BRT in this horizon year.

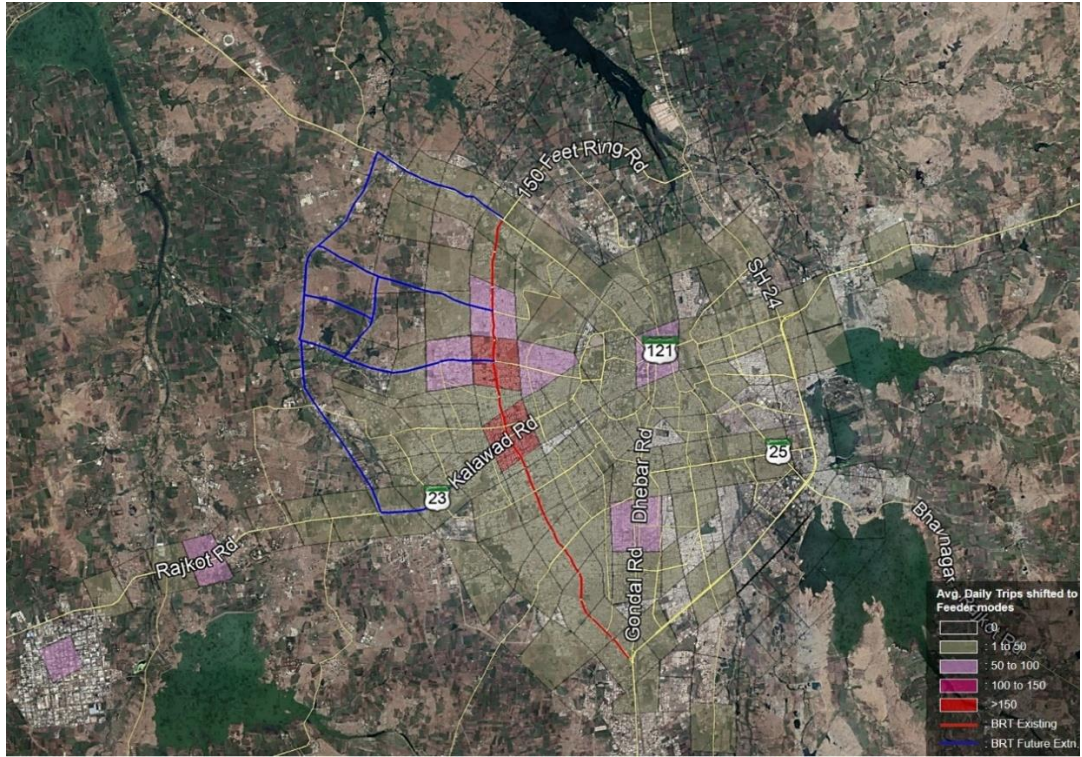


FIGURE 54: AVERAGE TRIPS SHIFTED TO FEEDER WALK IN 2028

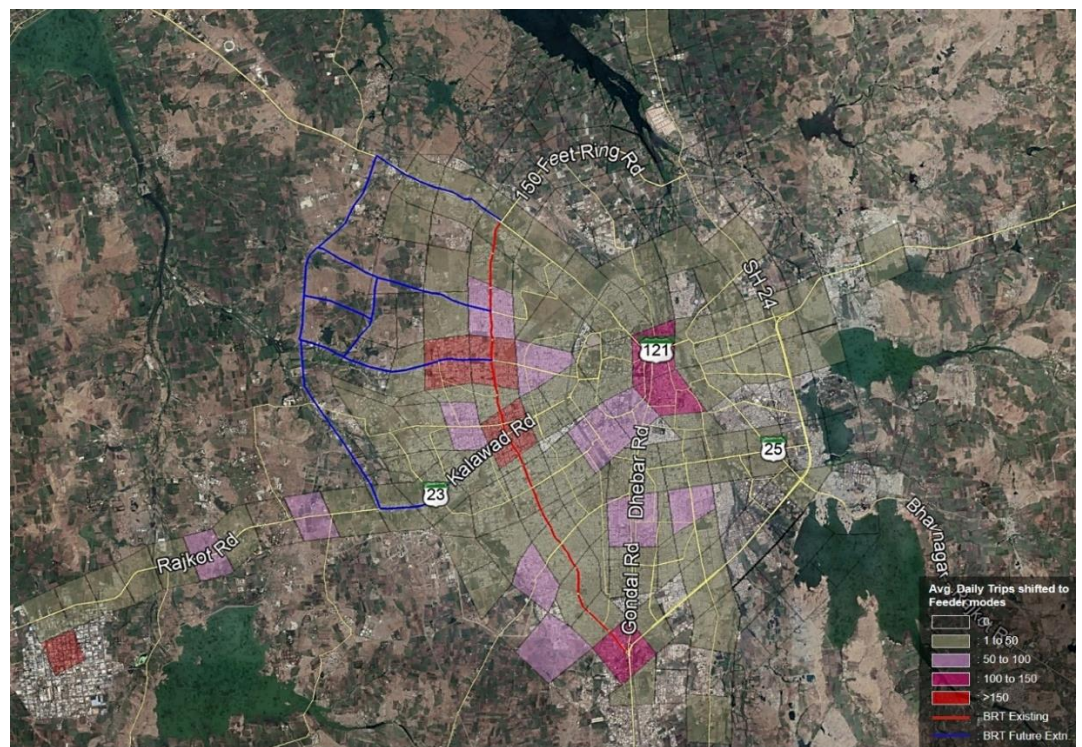


FIGURE 55: AVERAGE TRIPS SHIFTED TO FEEDER BICYCLE SHARING IN 2028

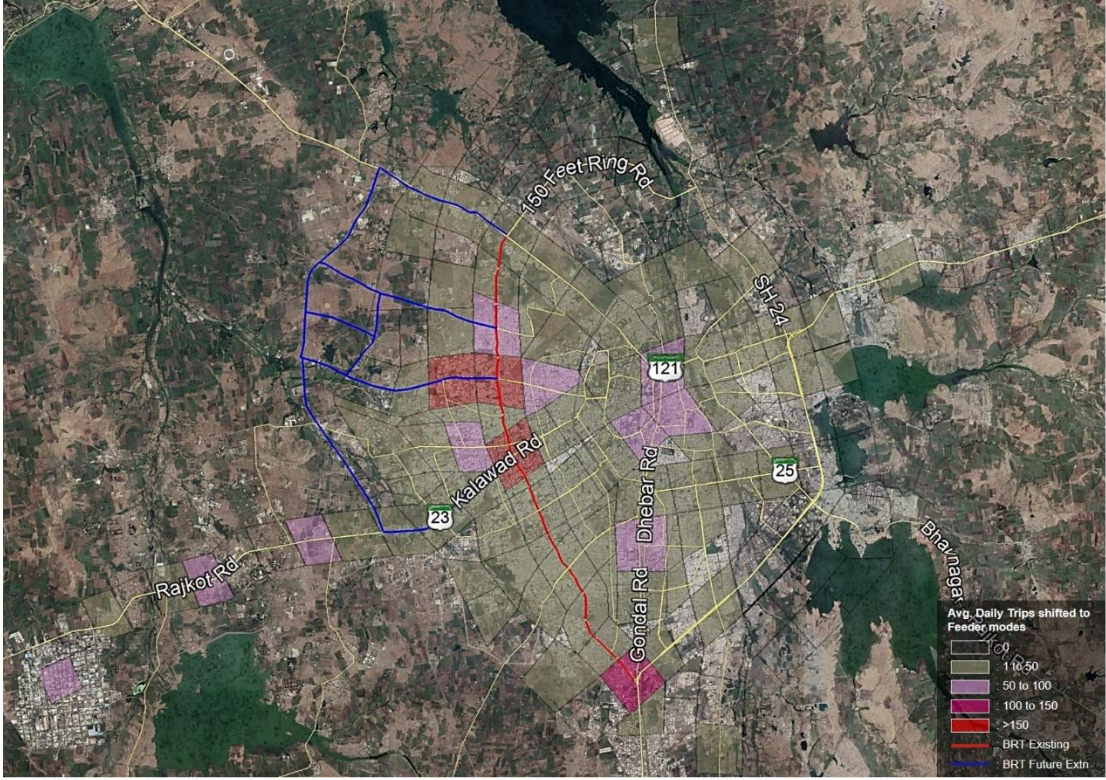


FIGURE 56: AVERAGE TRIPS SHIFTED TO RMTS - BUS FEEDER IN 2028

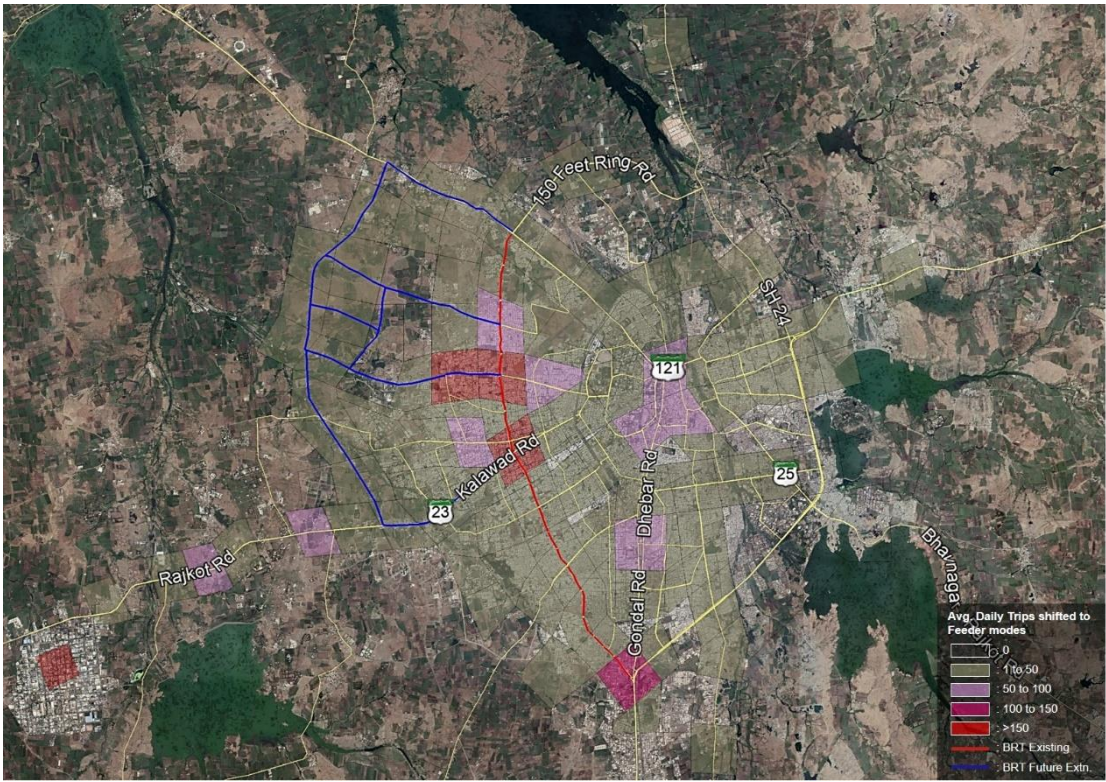


FIGURE 57: AVERAGE TRIPS SHIFTED TO HYBRID FEEDER IN 2028

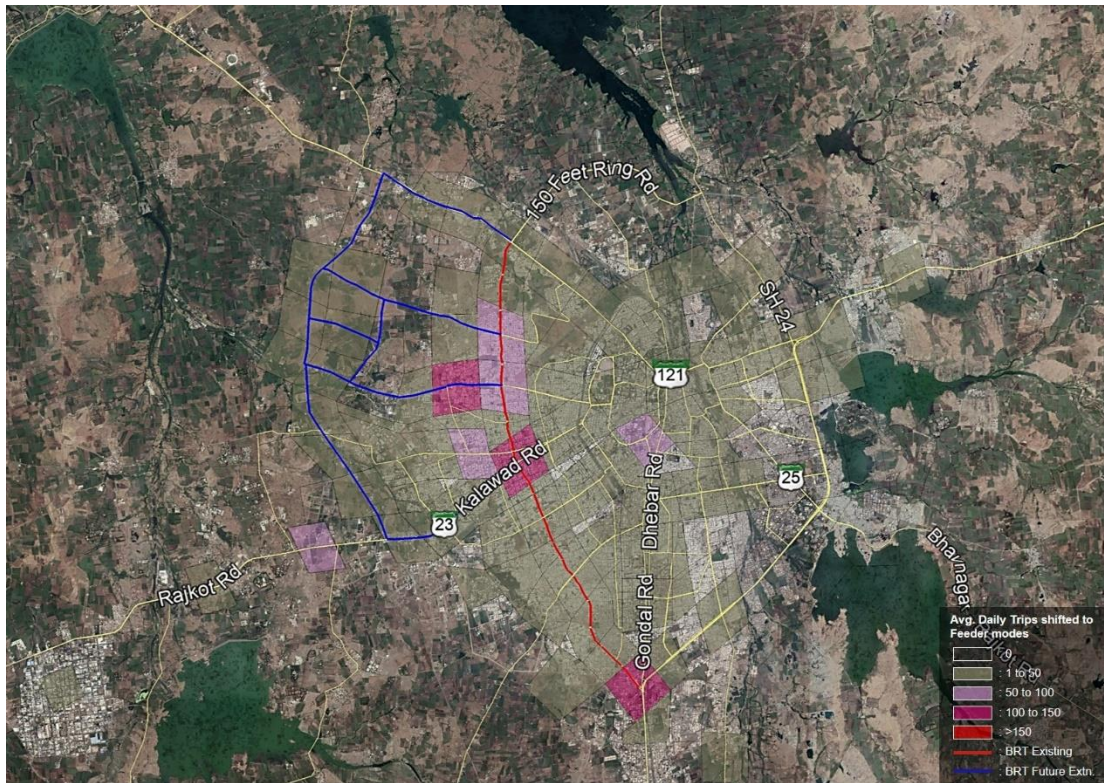


FIGURE 58: AVERAGE TRIPS SHIFTED TO SHARED 3W IN 2028

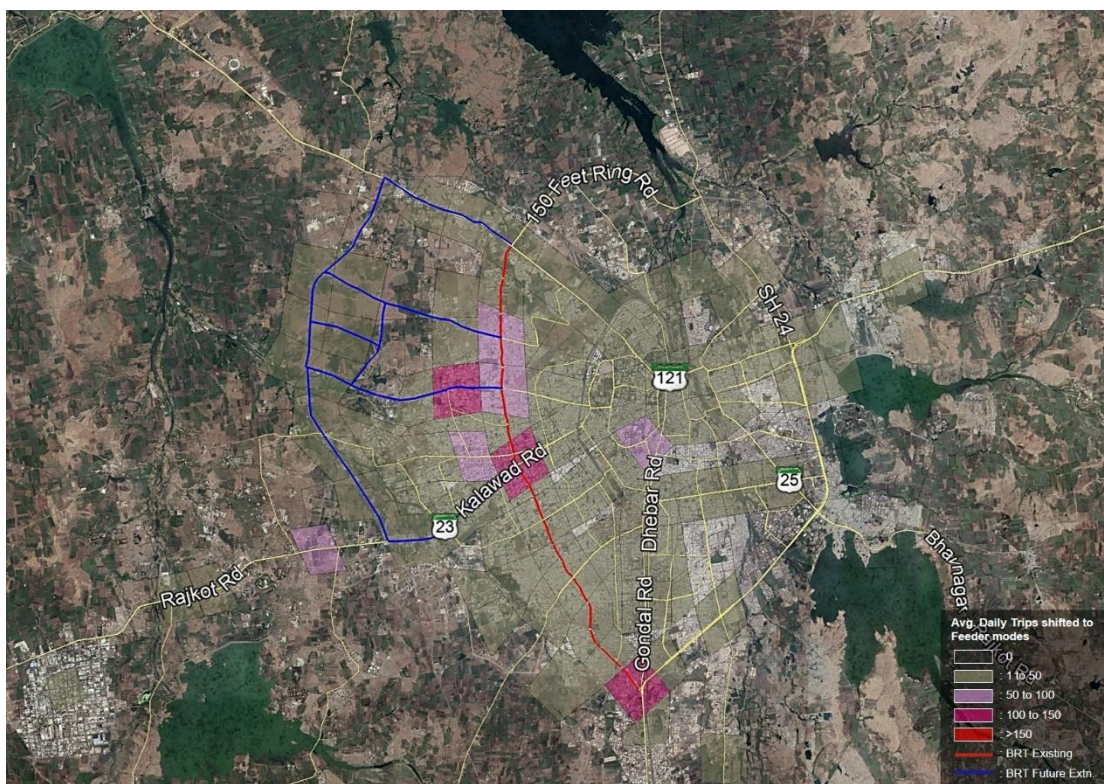


FIGURE 59: AVERAGE TRIPS SHIFTED TO E RICKSHAW IN 2028

It is evident from the figures presented above that Bicycle Sharing feeder mode is likely to shift maximum number of commuters to BRT. This is because journey cost of 2W, 4W and Shared Auto users is significantly reducing if they are shifting to bicycle sharing mode. Overall the

model suggests that on an average a total of 16006 no. of passenger trips, which is 1.16 percent of trips currently using parts of the BRT corridor or crossing it, shall shift to BRT if the above listed feeder modes are introduced.

4.3 Model Findings

As an outcome of the modelling exercise is the estimate expected trips shifted to each feeder mode (walk, bicycle sharing, RMTS, RMTS-Hybrid BRT, shared auto rickshaw and walk) in each zone was estimated by aggregating projected numbers of trips expected to be shifted from each of the current modes (Car, motorized two wheelers, auto rickshaw, shared auto rickshaw, RMTS bus, walk and cycle) in that zone. This was based on the methodology explained earlier. The expected shift of trips in each zone was derived for three time periods – current year, 2023 and 2028.

These projected number of trips expected to be shifted in favour of BRT, from each mode, through introduction of specific feeder mode has been presented on a colour coded zonal map, with four colour gradient representing per day number of trips shifted to BRT in four categories – 1 to 50, >50 to 100, >100 to 150 and >150. An analysis of this map reveals the zones of interest for each feeder mode. These and other findings from the model have been discussed below for both current and horizon years.

4.3.1 Base and Horizon Year Zones of interest – Feeder Mode wise

The analysis of zone and mode wise model shift maps in favour of BRT have been divided in to current and horizon year evaluation. These have been presented below.

4.3.1.1 Base or Current Year Zones of Interest

Current year zones of interest have been identified by identifying zones with a potential of shifting 50 or more trips towards BRT due to introduction of each feeder mode. The number of passenger trips estimated to be shifted is an outcome of cumulative probability of shift derived from the product of three probabilities, i.e. shift due to cost saving, time saving and proximity to the corridor including overlapping of trip length with the corridor. This process is not based on desire to shift surveys but on assumed linear relationship between probabilities and different factors effecting the same (as discussed above). Thus it is possible that the model outputs include counter intuitive and seemingly impossible findings, which need to be rationalised. For example, huge cost saving in walking (over other modes such as shared auto rickshaw) creates a relatively higher probability of shift even for zones located far away from the corridor. This coupled with high origin and destination of trips from such zones yields in an output suggesting significant walking trips to the BRT corridor even if it involves multipl hours in terms of access time.

Thus this exercise of identifying zones of interest omits such zones with counter rational results. The zones of interest have been identified for all three years (i.e. current year, 2023 and 2028), for each feeder mode and discusd in Table 50 to Table 55.

TABLE 50: EXPECTED NO.OF PASSENGER TRIPS SHIFTED-FEEDER WALK IN ZONES OF INTEREST

| S. No. | Zone No. | Zone distance from BRT corridor (km) | Important, nodes, localities, and streets covered by the zone | Expected number of passenger trips shifted to feeder Walk | | |
|--------|----------|--------------------------------------|---|---|---------------|---------------|
| | | | | For Year 2018 | For Year 2023 | For Year 2028 |
| | 66 | 0.00 | Ramdevpir Chowk | | | 56 |
| | 77 | 4.70 | Hospital chowk | 65 | 80 | 99 |

| S. No. | Zone No. | Zone distance from BRT corridor (km) | Important, nodes, localities, and streets covered by the zone | Expected number of passenger trips shifted to feeder Walk | | |
|--------|----------|--------------------------------------|---|---|---------------|---------------|
| | | | | For Year 2018 | For Year 2023 | For Year 2028 |
| | 80 | 1.30 | Krishna kunj society, near Raiya chowk and Airport | | 61 | 75 |
| | 81 | 0.00 | Raiya chowk | 148 | 202 | 249 |
| | 82 | 1.00 | Alap green city, Raiya road, near Raiya chowk | | 59 | 73 |
| | 109 | 0.00 | KKV chowk | 113 | 141 | 175 |
| | 120 | 2.00 | PD Malviya commerce college, near Mavdi chowk | | | 50 |
| | 171 | 7.70 | Kalawad road, near Metoda | | 56 | 69 |
| | 177 | 12.40 | Metoda village | 60 | 75 | 92 |

TABLE 51: EXPECTED NO. OF PASSENGER TRIPS SHIFTED-BICYCLE SHARING IN ZONES OF INTEREST

| S. No. | Zone No. | Zone distance from BRT corridor (km) | Important, nodes, localities, and streets covered by the zone | Expected number of passenger trips shifted to Bicycle Sharing | | |
|--------|----------|--------------------------------------|---|---|---------------|---------------|
| | | | | For Year 2018 | For Year 2023 | For Year 2028 |
| | 66 | 0.00 | Ramdevpir Chowk | | 65.76 | 91.86 |
| | 77 | 4.70 | Hospital chowk | 63.20 | 78.36 | 113.72 |
| | 80 | 1.30 | Krishna kunj society, near Raiya chowk and Airport | 51.07 | 63.33 | 87.00 |
| | 81 | 0.00 | Raiya chowk | 160.20 | 218.51 | 697.50 |
| | 82 | 1.00 | Alap green city, Raiya road, near Raiya chowk | 108.00 | 134.12 | 166.52 |
| | 91 | 3.20 | Tikon bagh bus terminal | 53.35 | 66.15 | 89.78 |
| | 92 | 4.25 | Tikon bagh chowk | | 69.13 | 136.17 |
| | 105 | 2.00 | Bhaktinagar Railway station | | 61.95 | 76.44 |
| | 109 | 0.00 | KKV chowk | 145.63 | 338.25 | 710.26 |
| | 110 | 0.90 | Panchayat Nagar bus stand, near Indira circle | | 54.39 | 67.11 |
| | 120 | 2.00 | PD Malviya commerce college, near Mavdi chowk | | | 55.73 |

| S. No. | Zone No. | Zone distance from BRT corridor (km) | Important, localities, and nodes, streets covered by the zone | Expected number of passenger trips shifted to Bicycle Sharing | | |
|--------|----------|--------------------------------------|---|---|---------------|---------------|
| | | | | For Year 2018 | For Year 2023 | For Year 2028 |
| | 122 | 3.60 | Devpara | | | 55.70 |
| | 143 | 1.10 | Mavdi gam | | | 52.89 |
| | 156 | 0.00 | Gondal Chowk | 67.81 | 84.08 | 103.75 |
| | 157 | 1.40 | Punit Nagar | | | 69.41 |
| | 168 | 5.00 | Kalwad road | 54.32 | 68.20 | 85.72 |
| | 171 | 7.70 | Kalawad road, near Metoda | | 56.51 | 69.73 |
| | 177 | 12.40 | Metoda village | 55.01 | 68.21 | 207.86 |

TABLE 52: EXPECTED NO. OF PASSENGER TRIPS SHIFTED-RMTS BUS IN ZONES OF INTEREST

| S. No. | Zone No. | Zone distance from BRT corridor (km) | Important, localities, and nodes, streets covered by the zone | Expected number of passenger trips shifted to RMTS Bus | | |
|--------|----------|--------------------------------------|---|--|---------------|---------------|
| | | | | For Year 2018 | For Year 2023 | For Year 2028 |
| | 66 | 0.00 | Ramdevpir Chowk | | 59.99 | 74.02 |
| | 77 | 4.70 | Hospital chowk | 60.45 | 76.93 | 94.92 |
| | 80 | 1.30 | Krishna kunj society, near Raiya chowk and Airport | 50.14 | 63.20 | 77.98 |
| | 81 | 0.00 | Raiya chowk | 85.84 | 168.25 | 207.60 |
| | 82 | 1.00 | Alap green city, Raiya road, near Raiya chowk | 106.98 | 132.69 | 163.72 |
| | 91 | 3.20 | Tikon bagh bus terminal | | 64.37 | 79.43 |
| | 92 | 4.25 | Tikon bagh chowk | | 63.30 | 78.11 |
| | 109 | 0.00 | KKV chowk | 83.81 | 135.29 | 166.92 |
| | 110 | 0.90 | Panchayat Nagar bus stand, near Indira circle | | 51.85 | 63.98 |
| | 120 | 2.00 | PD Malviya commerce college, near Mavdi chowk | | | 55.28 |
| | 156 | 0.00 | Gondal Chowk | 65.88 | 83.57 | 103.12 |
| | 168 | 5.00 | Kalwad road | 54.06 | 67.12 | 82.82 |
| | 171 | 7.70 | Kalawad road, near Metoda | | 56.29 | 69.45 |
| | 177 | 12.40 | Metoda village | | 53.89 | 66.49 |

TABLE 53: EXPECTED NO. OF PASSENGER TRIPS SHIFTED-RMTS - HYBRID BRTS IN ZONES OF INTEREST

| S. No. | Zone No. | Zone distance from BRT corridor (km) | Important, localities, and nodes, streets covered by the zone | Expected number of passenger trips shifted to RMTS - Hybrid BRTS | | |
|--------|----------|--------------------------------------|---|--|---------------|---------------|
| | | | | For Year 2018 | For Year 2023 | For Year 2028 |
| | 66 | 0.00 | Ramdevpir Chowk | | 60.23 | 74.55 |
| | 77 | 4.70 | Hospital chowk | 62.08 | 77.22 | 95.51 |
| | 80 | 1.30 | Krishna kunj society, near Raiya chowk and Airport | 50.97 | 63.45 | 78.52 |
| | 81 | 0.00 | Raiya chowk | 304.94 | 416.18 | 513.77 |
| | 82 | 1.00 | Alap green city, Raiya road, near Raiya chowk | 107.01 | 132.93 | 164.25 |
| | 91 | 3.20 | Tikon bagh bus terminal | 51.96 | 64.67 | 80.03 |
| | 92 | 4.25 | Tikon bagh chowk | 51.15 | 63.67 | 78.79 |
| | 109 | 0.00 | KKV chowk | 215.11 | 266.96 | 538.55 |
| | 110 | 0.90 | Panchayat Nagar bus stand, near Indira circle | | 52.16 | 64.60 |
| | 120 | 2.00 | PD Malviya commerce college, near Mavdi chowk | | | 55.82 |
| | 156 | 0.00 | Gondal Chowk | 67.40 | 83.82 | 103.65 |
| | 168 | 5.00 | Kalwad road | 54.21 | 67.46 | 83.47 |
| | 171 | 7.70 | Kalawad road, near Metoda | | 56.53 | 69.98 |
| | 177 | 12.40 | Metoda village | 101.33 | 125.83 | 155.43 |

TABLE 54: EXPECTED NO. OF PASSENGER TRIPS SHIFTED-SHARED 3W IN ZONES OF INTEREST

| S. No. | Zone No. | Zone distance from BRT corridor (km) | Important, localities, and nodes, streets covered by the zone | Expected number of passenger trips shifted to Shared 3W | | |
|--------|----------|--------------------------------------|---|---|---------------|---------------|
| | | | | For Year 2018 | For Year 2023 | For Year 2028 |
| | 66 | 0.00 | Ramdevpir Chowk | | 55.19 | 68.61 |
| | 81 | 0.00 | Raiya chowk | | 52.69 | 65.04 |
| | 82 | 1.00 | Alap green city, Raiya road, near Raiya chowk | 63.41 | 92.15 | 113.70 |
| | 91 | 3.20 | Tikon bagh bus terminal | | 57.77 | 71.28 |
| | 109 | 0.00 | KKV chowk | | 101.69 | 126.17 |
| | 110 | 0.90 | Panchayat Nagar bus stand, near Indira circle | | | 64.05 |

| S. No. | Zone No. | Zone distance from BRT corridor (km) | Important, localities, and nodes, streets covered by the zone | Expected number of passenger trips shifted to Shared 3W | | |
|--------|----------|--------------------------------------|---|---|---------------|---------------|
| | | | | For Year 2018 | For Year 2023 | For Year 2028 |
| | 156 | 0.00 | Gondal Chowk | | 83.60 | 103.15 |
| | 168 | 5.00 | Kalwad road | | | 58.40 |

TABLE 55: EXPECTED NO.OF PASSENGER TRIPS SHIFTED-E-RICKSHAW IN ZONES OF INTEREST

| S. No. | Zone No. | Zone distance from BRT corridor (km) | Important, localities, and nodes, streets covered by the zone | Expected number of passenger trips shifted to E Rickshaw | | |
|--------|----------|--------------------------------------|---|--|---------------|---------------|
| | | | | For Year 2018 | For Year 2023 | For Year 2028 |
| | 66 | 0.00 | Ramdevpir Chowk | | 57.92 | 72.15 |
| | 81 | 0.00 | Raiya chowk | | 52.67 | 65.05 |
| | 82 | 1.00 | Alap green city, Raiya road, near Raiya chowk | 67.71 | 116.43 | 143.65 |
| | 91 | 3.20 | Tikon bagh bus terminal | | 61.22 | 75.54 |
| | 109 | 0.00 | KKV chowk | 54.28 | 101.50 | 126.78 |
| | 110 | 0.90 | Panchayat Nagar bus stand, near Indira circle | | 52.22 | 65.10 |
| | 156 | 0.00 | Gondal Chowk | 65.88 | 83.57 | 103.12 |
| | 168 | 5.00 | Kalwad road | | 52.56 | 64.85 |

4.3.2 Base and Horizon Year Feeder Mode Wise Expected Demand

It is estimated that if all six proposed feeder modes to BRT were developed throughout the city, a total of 0.96% percent of trips crossing BRT corridor in a day (a total of 7542.73 trips cross or use parts of BRT in a day) would shift to BRT. This shift will happen from different modes depending on the proximity of the zones and the average speed and cost comparison of trips between existing and proposed feeder mode cum BRT combination. This percent changes to 1.11% in 2023 while total trips crossing BRT increase to 11200.35 in this year; and 1.16% in 2028 while total trips crossing BRT in this year are projected to increase to 16006.89. The mode wise breakup of these trips in three years for the study has been presented in Table 56, Table 57 and Table 58.

TABLE 56: MODEWISE PREDOMINANT ZONES & MODES FROM WHERE PASSENGER TRIPS EXPECTED TO SHIFT-CURRENT YEAR

| S. No. | Proposed feeder mode | Predominant zones from where passenger trips expected to shift | Predominant modes from where passenger trips expected to shift |
|--------|----------------------|--|--|
| 1 | Walk | 81, 109 | 2 Wheeler, Shared 3W |
| 2 | Bicycle sharing | 81, 82, 109 | 2 Wheeler, 4 Wheeler, Shared 3W |
| 3 | RMTS | 82 | 2 Wheeler, 4 Wheeler |
| 4 | RMTS – Hybrid BRT | 81, 82, 109, 177 | 2 Wheeler, 4 Wheeler, Shared 3W |
| 5 | Shared auto rickshaw | 82 | 2 Wheeler, 4 Wheeler, 3 Wheeler |

| | | | |
|---|------------|--------------|----------------------|
| 6 | E Rickshaw | 82, 109, 156 | 2 Wheeler, 4 Wheeler |
|---|------------|--------------|----------------------|

TABLE 57: MODEWISE PREDOMINANT ZONES & MODES FROM WHERE PASSENGER TRIPS EXPECTED TO SHIFT-2023

| S. No. | Proposed feeder mode | Predominant zones from where passenger trips expected to shift | Predominant modes from where passenger trips expected to shift |
|--------|----------------------|--|--|
| 1 | Walk | 81, 109 | 2 Wheeler, Shared 3W |
| 2 | Bicycle sharing | 81, 82, 109 | 2 Wheeler, 4 Wheeler, Shared 3W |
| 3 | RMTS | 81, 82, 109 | 2 Wheeler, 4 Wheeler, Shared 3W |
| 4 | RMTS – Hybrid BRT | 81, 82, 109, 177 | 2 Wheeler, 4 Wheeler, Shared 3W |
| 5 | Shared auto rickshaw | 109 | 2 Wheeler, 4 Wheeler |
| 6 | E Rickshaw | 82, 109 | 2 Wheeler, 4 Wheeler |

TABLE 58: MODEWISE PREDOMINANT ZONES & MODES FROM WHERE PASSENGER TRIPS EXPECTED TO SHIFT- 2028

| S. No. | Proposed feeder mode | Predominant zones from where passenger trips expected to shift | Predominant modes from where passenger trips expected to shift |
|--------|----------------------|--|--|
| 1 | Walk | 81, 109 | 2 Wheeler, 4 Wheeler, Shared 3W |
| 2 | Bicycle sharing | 77, 81, 82, 92, 109, 156, 177 | 2 Wheeler, 4 Wheeler, Shared 3W |
| 3 | RMTS | 81, 82, 109, 156 | 2 Wheeler, 4 Wheeler |
| 4 | RMTS – Hybrid BRT | 81, 82, 109, 156, 177 | 2 Wheeler, 4 Wheeler, Shared 3W |
| 5 | Shared auto rickshaw | 82, 109, 156 | 2 Wheeler, 4 Wheeler, 3 Wheeler |
| 6 | E Rickshaw | 82, 109, 156 | 2 Wheeler, 4 Wheeler, 3 Wheeler |

The numbers presented in the tables above may not be realistic because many feeder modes for multiple zones are likely to be competing for same trips. Additionally, since there are 177 zones, even small number of passenger trips aggregated for the day, resulted in a relatively appealing figure, even though it may not be practically possible to introduce a feeder to effectively capture these trips. To address these issues, a network for complementing feeders using the information generated from zones of interest maps, needs to be developed. The same has been discussed in the following section.

5 Last Mile Connectivity Plan

Six feeder modes have been evaluated across more than 180 analysis zones in Rajkot for the potential to shift commuters trips on the corridor from seven existing modes, for base year (2018) and horizon year 2023 as well 2028. The number of commuters which are probable to shift to one or more of the feeder modes is dependent on the quantum of trips attracted or generated by these zones and the estimated probability of shift. The estimated probability of shift in turn is dependent on expected utility in shifting, estimated by time and cost saving coupled by percentage of journey length that currently overlaps with the BRT corridor (and on the proposed BRT corridor extension in 2028).

Horizon year projected number of passenger trips that may shift in favour of BRT is effected by the rate of increase of passenger trips in the city, by the expected development and changes in the land use. These have been accounted for and explained in the previous section.

Basis these processes, estimate of potential trips that may shift in favour of BRT from each zone has been generated for the three study periods – 2018, 2023 and 2028. Analysis of these passenger trips generates zones of interest (zones with potential of shifting large number of daily passenger trips in favour of BRT, through shift to multiple feeder modes) and feeder modes of interest (modes with the potential of attracting large number of passenger trips to BRT from multiple zones). These can then be used to plan interventions in terms of feeder mode network and operational plan.

This section analyses the findings from the modelling exercise (Chapter 4), and derives a feeder network plan for practical application in the city.

5.1 Zones of Interest - Base and Horizon Year

The analysis of modelling output as presented in colour coded zonal maps depicting potential daily trips that may be shifted from each zone to each BRT feeder mode has been presented in Figure 36 to Figure 41, Figure 48 to Figure 53 and Figure 54 to Figure 59 (Chapter 4) for each of the three years in the study. Analysis of these figures and a review of the total passenger trips expected to be shifted in each of study periods (Annexure 8.14), suggests that the area around, Raiya Road, University Road, Kalawad Road and Race Course have the maximum potential of shifting in favour of BRT through different feeder modes. In addition to this, areas around Metoda, Gondal Chowk and KKV Chowk also appear as zones of interest when it comes to potential for shifting in favour of BRT. Table 59 presents estimate of passenger trips expected to be shifted in each of the three study periods, from the areas mentioned above, as represented by their zone numbers.

TABLE 59: ESTIMATE OF PASSENGER TRIPS EXPECTED TO BE SHIFTED IN-2018,23 &28

| Zone Number | Total Passenger Trips Shifted Year 2018 | Total Passenger Trips Shifted Year 2023 | Total Passenger Trips Shifted Year 2028 | Mode of Interest |
|-------------|---|---|---|------------------|
| 66 | 240 | 345 | 437 | Bicycle Sharing |
| 77 | 267 | 375 | 480 | Bicycle Sharing |
| 80 | 223 | 302 | 382 | Bicycle Sharing |
| 81 | 759 | 1110 | 1798 | Bicycle Sharing |
| 82 | 501 | 668 | 825 | Bicycle Sharing |
| 91 | 241 | 334 | 421 | Bicycle Sharing |
| 92 | 170 | 263 | 376 | Bicycle Sharing |
| 105 | 85 | 113 | 139 | Bicycle Sharing |
| 109 | 662 | 1084 | 1844 | Bicycle Sharing |
| 110 | 201 | 275 | 344 | Bicycle Sharing |
| 120 | 154 | 234 | 289 | RMTS-Hybrid BRT |

| Zone Number | Total Passenger Trips Shifted Year 2018 | Total Passenger Trips Shifted Year 2023 | Total Passenger Trips Shifted Year 2028 | Mode of Interest |
|-------------|---|---|---|------------------|
| 122 | 30 | 54 | 94 | Bicycle Sharing |
| 143 | 95 | 147 | 194 | Bicycle Sharing |
| 156 | 321 | 428 | 528 | Bicycle Sharing |
| 157 | 78 | 98 | 145 | Bicycle Sharing |
| 168 | 245 | 340 | 421 | Bicycle Sharing |
| 171 | 186 | 255 | 315 | RMTS-Hybrid BRT |
| 177 | 270 | 354 | 561 | Bicycle Sharing |

5.2 Feeder modes of interest – base and horizon year

Analysis of outputs generated by the spreadsheet model (Chapter 4) suggests that the shared bicycle or bike rental options coupled with dedicated bicycling infrastructure is amongst the most attractive feeder mode with the highest cumulative potential of shifting daily passenger trips in favour of BRT, an estimated 4315 daily passenger trips. This is followed by a hybrid BRT or bus routes using parts of BRT corridor but connecting key locations in the city. The total number of passenger trips with a potential to shift to BRT through this feeder mode is 3448 daily trips. A total of 2531 number of daily passenger trips have a potential to shift in favour of BRT through the use of RMTS as a feeder mode, provided the average headway by the service reduces to 20 minutes, and if the total transfer distance between RMTS stop and BRT station is less than 100m. It is important to note here that the results of brief desire to shift survey (presented in Chapter 4) suggest that maximum number of commuters favour RMTS buses as their feeder mode to BRTS with a relatively fewer opting for cycling.

The remaining three feeder modes possess a relatively lower potential to transfer passenger trips on to BRT. Feeder walk has the potential to shift a total of 1983 daily commuting trips, E-rickshaw have the potential to shift a total of 1987 daily passenger trips and shared auto rickshaw have the potential to shift a total of 1742 daily passenger trips in favour of BRT in 2028. Table 60 presents the total potential of shifting passenger trips from current modes in favour of BRT through the use of different feeder modes in the three study periods.

TABLE 60: POTENTIAL OF SHIFTING TRIPS FROM CURRENT MODES IN FAVOUR OF - 2018,23 & 28

| Modes | Year 2018 | Year 2023 | Year 2028 | Zone number (with maximum potential to shift in 2028) |
|---------------------------|-----------|-----------|-----------|---|
| To Feeder Walk | 1179 | 1506 | 1983 | From Zone no. 81 |
| To Feeder Bicycle Sharing | 1687 | 2416 | 4315 | From Zone no. 109 |
| To RMTS Bus | 1316 | 1890 | 2531 | From Zone no. 81 |
| To RMTS - Hybrid BRT | 1851 | 2410 | 3448 | From Zone no. 109 |
| To Shared 3W | 569 | 1264 | 1742 | From Zone no. 109 |
| To E Rickshaw | 770 | 1444 | 1987 | From Zone no. 82 |

5.3 Proposed phase wise network and integration plan for feeder modes of interest

Chapter 4 presents feeder mode wise zonal plans depicting zones with graded potential of shift towards BRT (using a specific feeder mode). These have been used to develop feeder mode specific network plan. The analysis suggests that there is limited potential for integrating all feeder modes serving different zones and stretches of the BRT corridor. Thus, two new hybrid BRT routes have been planned, a circular route for e-rickshaw is proposed, junctions with BRT corridors are proposed to be upgraded / re-developed, a network of streets are proposed to be developed with high quality NMT (pedestrian and cyclist) infrastructure and areas/zones to be

served by bike sharing stations have been identified. These proposed network plans for each of the feeder modes has been presented below with their associated salient features.

5.3.1 Bicycle and Walk as Feeder

Feeder bicycle is proposed to be planned by providing bike sharing stations and/or parking at identified BRT stations along with high quality segregated bike paths on streets connecting the corridor to attractors and generators of passenger trips in favour of BRT through the use of this feeder mode. Developing bike paths on streets also entails developing high quality pedestrian infrastructure which together contributes to overall street development proposal on the network. Analysis of feeder mode zonal plan presented in Chapter 4, suggests that the zones of interest for bicycle and walk feeder modes overlap. This implies that the street development proposal in these zones will actuate shift from both these feeder modes. Thus a street improvement network plan and a plan for potential zones with bicycle stations has been proposed. This has been presented in Figure 60.

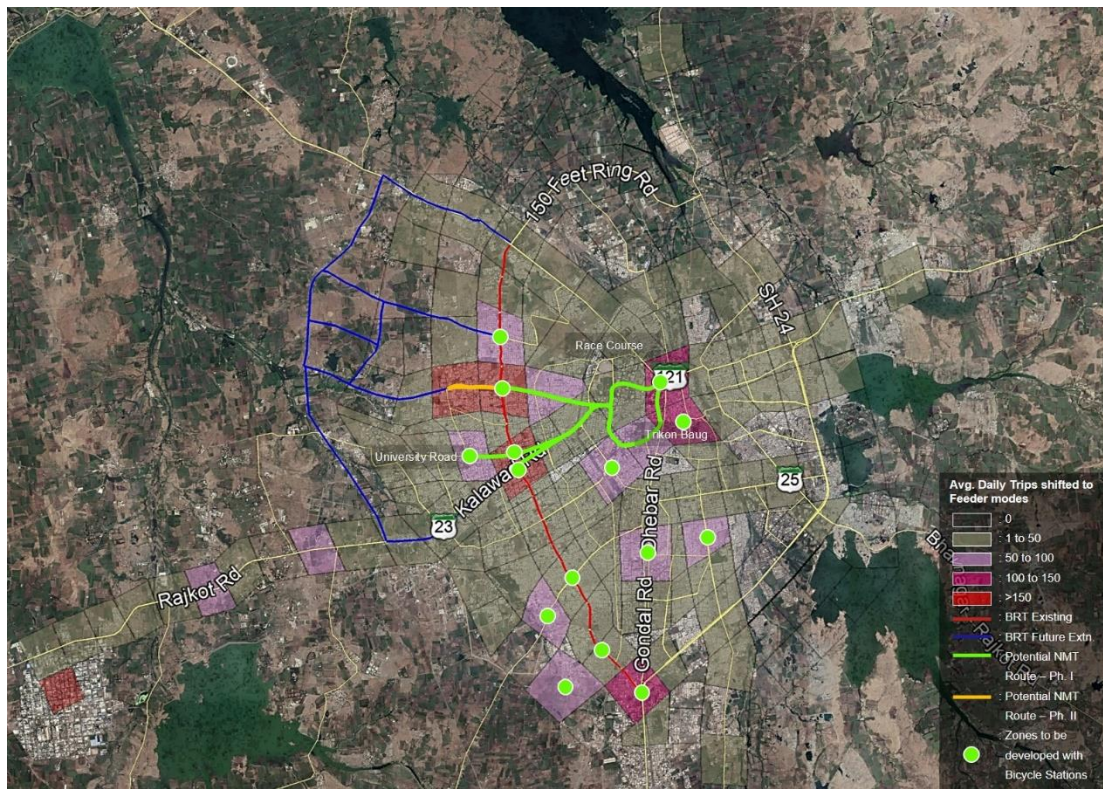


FIGURE 60: POTENTIAL NMT NETWORK PLAN

The salient features of this network are as following:

- The proposed redesigned street network with integrated as well dedicated bicycle and pedestrian infrastructure is estimated to be a total of 12 km in length in the final phase. The development of this network includes Kalawad road on the eastern side of the BRT corridor and the entire stretch of the Raiya Road and university road along with parts of Gaurav Path. The western part of Raiya road (west of BRT corridor) is the future BRT corridor and thus will need to be developed (today) as per the designed cross section for BRT which is expected to be operational by 2028. It also includes the circulatory road network around the core area (Moti Tanki Chowk, Sadar Bazaar, etc.), which include parts of race course ring road, Jawahar Road, Dr. Yagnik Road and Kasturba Road. This network links the existing BRT corridor as well the BRT extension to Trikon Bagh bus station in the heart of the city. In the final phase (2028) the network is expected to expand with the development of BRT corridors on western half of Kalawad and Raiya Road, because this network typically also includes dedicated high quality provisions for pedestrians and cyclists.

- Most of the streets in the proposed network have a right of way (RoW) of 24m, while Kalawad road has a RoW of 30m. Some streets such as Dr. Yagnik Road are as narrow as 15m.
- The assessment of street RoW suggests that it is possible to provide a 1.8m to 2.5m wide dedicated barrier free footpath on either side of all streets in the proposed network. It also suggests that most parts of the network can be provided with a 2.2 to 2.5m wide segregated cycle track on either side of the streets. Where RoW does not permit provision of dedicated tracks, stretches can include common cycle track and footpath (3 to 4m wide) or 1.2 to 1.5m wide painted cycle lanes along with traffic calming to reduce vehicular speeds to within 30km/h (on such roads) (Figure 61).

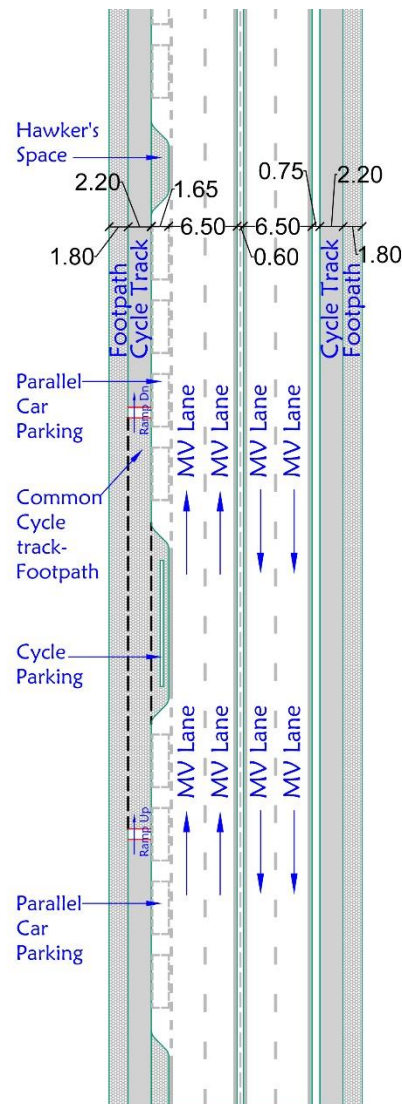


FIGURE 61: TYPICAL LAYOUT PLAN FOR 24M ROW

- Along with dedicated cycle tracks, bicycle sharing stations can be integrated with the network. The Rajkot Bicycle Sharing Scheme proposal developed by ICLEI-SA (discussed in Chapter 2), already includes proposals for bicycle sharing stations development along parts of the street development network. This includes the entire stretch of Kalawad Road and the streets in and around the core area encircled by parts of race course ring road, Jawahar Road, Dr. Yagnik Road and Kasturba Road. It is proposed that in order to contribute shift towards BRT through the use of bicycle sharing additional bicycle sharing stations be created in the identified zones of interest for this feeder mode. These include zone numbers 66, 77, 81,82, 92,105, 109, 110, 120, 122, 136, 143, 146, 156 and 157 in the year 2028. The number and location of

bicycle stations in these zones may be identified as a part of the bicycle sharing proposal for the city of Rajkot.

- It is expected that a total of 781 daily passenger trips in 2018, 1176 passenger trips in 2023 and 2260 passenger trips in 2028 are likely to shift in favour of BRT through the use of bicycle sharing system (and dedicated cycling infrastructure). This is based on the estimation of passenger trips likely to shift from each zone served by the street network proposed to be redeveloped. Table 61 presents the details of zone number wise expected daily shift in passenger trips towards BRT through the use of bicycle sharing, after the redevelopment has taken place in each of the three study periods.
- It is expected that a total of 533 daily passenger trips in 2018, 680 passenger trips in 2023 and 841 passenger trips in 2028 are likely to shift in favour of BRT through the use of dedicated pedestrian infrastructure. This is based on the estimation of passenger trips likely to shift from each zone served by the street network proposed to be redeveloped. Table 62 presents the details of zone number wise expected daily shift in passenger trips towards BRT through the use of dedicated high quality pedestrian infrastructure, after the redevelopment has taken place in each of the three study periods.
- Based on the thumb rule cost, it is estimated that the development of complete streets on a 24m RoW (existing road) road is expected to cost the range of 7.80 crore per km, including provision of lighting and existing services re-alignment (Tripp et al., 2014).
- Using the RMTS E-ticketing data, it is known that roughly 40% of commuters on the routes crossing the BRT corridor, access or cross the corridor. Applying this figure to the proposed bicycling route serving as a feeder to BRT corridor, and assuming that 50% of the cyclists crossing or terminating at the BRT corridor will be shifting to the BRT service, the total daily ridership of cyclist on this network can be estimated as $x/40\%/50\%$, where x is the estimated number of commuters using bicycle sharing as feeder mode to the BRT. Using this formula the number of daily passenger trips by cycle sharing on the proposed corridor is expected to be 3904 in 2018, 5880 in 2023 and 11298 in 2028.
- The estimated figure of 2260 passenger trips on the cycling network using bicycle sharing services is subject to the conditions discussed in chapter 4. These include a cycle sharing station with an average access distance of 50m off the corridor and within 50m at the corridor. It is also subject to transition time between bicycle and walk to be no more than 1.5 minutes at each end. This means that operations will need to be designed to reduce the transaction and handing over time at both ends of the journey. This requires development of bicycle sharing stations at the junctions where the proposed road development network crosses the BRTS, i.e. KKV, Indira Circle and Raiya Circle junctions. There is space at these three junctions for the provisions of such stations, however it may involve limited redevelopment (Figure 63). Additionally, the conditions for shift to bicycle share feeder include a free ride, i.e. at each end the ride is expected to be less than 30 minutes, and thus free for feeder trips.
- For the users of bicycle sharing facility, it is recommended that in the specification of bicycles, provision of bicycle with carriers or which allow carriage of bags, goods etc. should be inducted.
- Provision of usable and barrier free dedicated cycling path is a critical assumption in the estimate of passenger trips shifting to BRT using bicycle sharing services. This implies that regulatory and maintenance framework of the infrastructure would have to be brought in place, either under Rajkot Municipal Corporation, Rajkot Traffic Police or both. Additionally, strict and defined parking norms and regulatory structure will have to be in place throughout the length of the proposed re-developed street network with dedicated bicycling and pedestrian infrastructure. This is necessary to ensure that pedestrian and cycling infrastructure remains usable by the intended audience. This is also one of the boundary conditions defined for estimating the modelled shift in favour of BRT in horizon years 2023 and 2028 (refer chapter 4).
- It is expected that inner city streets feeding the main streets selected for redevelopment, play a critical role in serving as a walk feeder network to the BRT. Even though all of these streets may not qualify for a segregated pedestrian infrastructure (based on the RoW available), efforts need to be made to develop these streets as pedestrian priority streets. It is expected that a total of approximately 30km street network in the zones adjoining the proposed redeveloped street network. It is expected

that limited redevelopment these streets will require pavement texture change, incorporation of traffic calming, street lighting, signage, pavement marking and drainage redevelopment. It is expected that such a limited redevelopment exercise will require an approximate budget of between 1.20 to 1.80 crore per km.

- The original design of BRTS (Urban Mass Transit Company, 2010) included junction designs with three phase (one for buses, one for pedestrians and one for other vehicles) signalized roundabouts. However currently most junctions on the BRT do not include roundabout geometry and function as unsignalized (signals are only operated during peak hours) junctions. Bus stations on the BRT corridor were planned and constructed at junctions for ease of access by commuters. However, the absence of operational signaling system at intersections (during most of the day), means that access the BRTS becomes unsafe, unpleasant and unattractive for commuters. There is thus merit in developing the junctions as signalized roundabout to convert existing non BRT trips to BRT trips through walk, bicycle and other feeder modes. While signalization shall help ensure safety and comfort in accessing the BRT, a roundabout at the junction can help reduce signal phasing allowing reduced delays for all and also providing operational ease for possibility of adding additional (hybrid) routes to the BRT.

TABLE 61: EXPECTED DAILY SHIFT IN PASSENGER TRIPS TOWARDS BRT THROUGH BICYCLE SHARING

| Zone of Interest | Year 2018 | Year 2023 | Year 2028 |
|------------------|------------|-------------|-------------|
| 77 | 63.20 | 78.36 | 113.72 |
| 78 | 17.57 | 22.48 | 29.03 |
| 80 | 51.07 | 63.33 | 87.00 |
| 81 | 160.20 | 218.51 | 697.50 |
| 82 | 108.00 | 134.12 | 166.52 |
| 89 | 29.20 | 36.21 | 47.16 |
| 90 | 25.26 | 33.11 | 40.86 |
| 91 | 53.35 | 66.15 | 89.78 |
| 92 | 33.58 | 69.13 | 136.17 |
| 105 | 49.96 | 61.95 | 76.44 |
| 109 | 145.63 | 338.25 | 710.26 |
| 110 | 43.86 | 54.39 | 67.11 |
| Total | 781 | 1176 | 2260 |

TABLE 62: EXPECTED DAILY SHIFT IN PASSENGER TRIPS TOWARDS BRT THROUGH WALK

| Zone of Interest | Year 2018 | Year 2023 | Year 2028 |
|------------------|------------|------------|------------|
| 77 | 65 | 80 | 98.90 |
| 78 | 13 | 17 | 20.44 |
| 80 | 49 | 61 | 75.34 |
| 81 | 148 | 202 | 248.89 |
| 82 | 47.87 | 59.36 | 73.24 |
| 89 | 18 | 23 | 27.82 |
| 90 | 18 | 22 | 26.78 |
| 91 | 16 | 20 | 24.90 |
| 92 | 22 | 27 | 33.72 |
| 105 | 11 | 13 | 16.61 |
| 109 | 113 | 141 | 174.92 |
| 110 | 12 | 15 | 19.38 |
| Total | 533 | 680 | 841 |

5.3.2 Hybrid BRTS as Feeder

Analysis of zones of interest for Hybrid BRT suggests that, provision of routes using parts of BRT (in order to eliminate any changeover time and cost penalty) and connecting main

passenger trip generators and attractors outside the corridor, is likely to contribute to increased usage of the corridor. This mode in effect adds two more routes to BRT which are both feeder and main modes on the corridor. The two proposed routes are:

Route A – Starting from Trikon Bagh Station, Passing through Jawahar Road, Dr. Yagnik Road, Gaurav Path and Kalawad Road, then turning on to BRT corridor at KKV junction (towards Raiya Circle), turning off the corridor at Raiya Circle, continuing on Raiya road towards Raiya Dhar and then terminating on Sadhu Vaswani Road. This route will have a total length of 8.9 km. Of this approximately 5.9km is off the BRT corridor, 1.8 km is on the current BRT corridor, and 1.2km is on the proposed extension to the BRT corridor on Raiya Road.

Route B – Starting from Gondal and using the corridor till KKV junction and then turning on to Kalavard Road and terminating at Metoda. This route will have a total length of 18km. This route is approximately 6km length of the existing BRT corridor, 3.5km length of proposed BRT extension (on Kalavard Road expected to be operational in 2028) and 8.5km length is outside the BRT network.

Figure 62 Presents the route map for the proposed hybrid BRT routes and Table 63 Presents the zone wise contribution to shift in favour of BRT using the hybrid BRTS route.

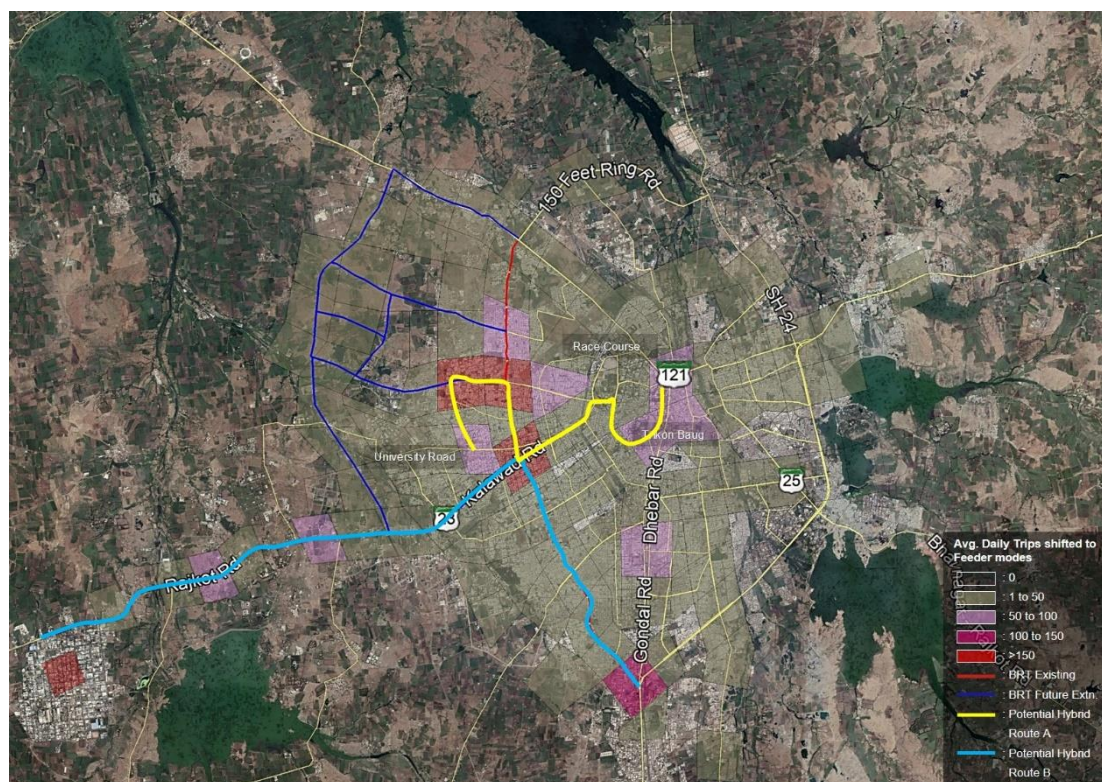


FIGURE 62: POTENTIAL HYBRID BRT NETWORK PLAN

TABLE 63: EXPECTED DAILY SHIFT IN PASSENGER TRIPS TOWARDS BRT THROUGH HYBRID BRT NETWORK

| Route A Zone | Year 2018 | Year 2023 | Year 2028 | Route B Zone | Year 2018 | Year 2023 | Year 2028 |
|--------------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|
| 77 | 62.08 | 77.22 | 95.51 | 109 | 107.56 | 133.48 | 269.275 |
| 91 | 51.96 | 64.67 | 80.03 | 110 | 20.94 | 26.08 | 32.3 |
| 92 | 51.15 | 63.67 | 78.79 | 115 | 7.35 | 9.35 | 11.77 |
| 105 | 10.07 | 12.72 | 15.93 | 139 | 2.72 | 3.62 | 4.75 |
| 78 | 16.79 | 21.05 | 26.21 | 166 | 0.69 | 1.1 | 1.58 |

| Route A Zone | Year 2018 | Year 2023 | Year 2028 | Route B Zone | Year 2018 | Year 2023 | Year 2028 |
|--------------------------|------------------|------------------|-------------|------------------|-------------|------------------|-------------|
| 90 | 24.18 | 30.22 | 37.52 | 167 | 0.79 | 1.22 | 1.74 |
| 89 | 28.45 | 35.46 | 43.92 | 168 | 54.21 | 67.46 | 83.47 |
| 109 | 107.56 | 133.48 | 269.27 | 169 | 0.00 | 0.24 | 0.53 |
| 110 | 20.94 | 26.08 | 32.3 | 170 | 0.38 | 0.72 | 1.12 |
| 88 | 28.77 | 35.92 | 44.6 | 171 | 45.40 | 56.53 | 69.98 |
| 81 | 304.94 | 416.18 | 513.77 | 172 | 1.17 | 1.69 | 2.32 |
| 82 | 107.01 | 132.93 | 164.25 | 173 | 0.01 | 0.26 | 0.55 |
| 87 | 26.20 | 32.73 | 40.62 | 174 | 2.39 | 3.2 | 4.19 |
| - | - | - | - | 175 | 0.06 | 0.32 | 0.62 |
| - | - | - | - | 176 | 0.03 | 0.28 | 0.58 |
| - | - | - | - | 177 | 101.33 | 125.83 | 155.43 |
| - | - | - | - | 108 | 2.76 | 3.66 | 4.75 |
| - | - | - | - | 116 | 12.08 | 16.7 | 20.83 |
| - | - | - | - | 118 | 17.32 | 23.85 | 29.76 |
| - | - | - | - | 136 | 26.35 | 34.54 | 42.86 |
| - | - | - | - | 144 | 22.91 | 31.49 | 39.09 |
| - | - | - | - | 146 | 10.60 | 14.69 | 18.36 |
| - | - | - | - | 156 | 67.40 | 83.82 | 103.65 |
| Total | 840 | 1082 | 1443 | Total | 504 | 640 | 899 |
| Total (Route A+B) | Year 2018 | Year 2023 | 1345 | Year 2023 | 1722 | Year 2028 | 2342 |

The salient features of the proposed hybrid BRT routes are as following:

- A total of 1443 passenger trips are expected to shift to (current and proposed) BRT through the use of Hybrid BRT route A and 899 passenger trips are expected to shift to BRT through the use of Hybrid BRT route B. It is known from the analysis of trips undertaken as of today on RMTS, that approximately 40% of all trips use parts of BRT or cross the corridor. Assuming the same percentage for the proposed hybrid routes, it is estimated that route A will serve a total of 3608 passenger trips per day, while route B will serve a total of 2248 passenger trips per day.
- Estimation of fleet requirement on the proposed routes for hybrid BRT are based on the number of trips to be catered, average operational speed of buses, average expected occupancy, average commuter trip length, desired headway and route length. With the route length of the corridor and the average commuter trip length expected to remain the same in the current and the horizon years for the study, the fleet requirement is expected to change in future based on the changes in other parameters.
- The desired headway is based on the average waiting time (used in the estimate of potential trips that might shift to BRT), which is 10 minutes (refer chapter 4). Thus, the average headway to be planned for is in the range of 20 minutes.
- Average operational speed on the corridor is expected to remain the same at 18.48km/h. However, with an increase in traffic, the average operational speed on streets outside the corridor is expected to reduce from current 18.32km/h to 17.4km/h in 2023 and 16.53km/h in 2028. This effects the overall operational speeds on the two routes which shall reduce from 18.4 to 17.2km/h for route A and 18.4 to 17.6km/h on Route B. The operational speed is also affected by the length of the BRT corridor used by the buses. Since the BRT corridor network is expected to expand in 2028, the

operational speed of the buses on these two routes changes accordingly (Annexure 8.15.1 to Annexure 8.15.3).

- An average occupancy of 60 to 90% is generally acceptable for bus services. If the occupancy and other parameters remains constant the headway will vary with the seating capacity of the bus. Thus, bigger the bus, more the headway and hence more the wait time. To get around this issue, estimation of fleet was made by keeping the headway in the range of 20-25 minutes and varying the occupancy as well the bus size. Using this method, it was assessed that a 24-seater bus may be ideal for Hybrid BRT services, with route A expected to attract higher occupancy (and thus earning) than route B (Annexure 8.15.1 to Annexure 8.15.3).
- Because of difference in route length and expected number of passenger trips between Route A and B, Route A is proposed to be planned with an occupancy of 80% and average headway of 13 (in 2028) to 22 minutes (in 2018), while route B is proposed to be planned for an average occupancy of 30 to 45% and average headway of 24 (in 2028) to 29 minutes (in 2018) (Annexure 8.15.1 to Annexure 8.15.3).
- Based on the parameters mentioned above, the estimate total fleet requirement based on 90% fleet utilization, for hybrid BRTS is 9 in 2018, 11 in 2023 and 14 in 2028.
- RMTS route no. 27, currently uses a section of the BRT corridor between Raiya Chowk and Rampir junction (1.1km). This route serves additional areas which show potential to shift to a hybrid BRTS network. In addition to the two hybrid routes, this route may also be considered to be converted to a hybrid BRTS route (with buses using the dedicated bus lane in the corridor) in the near future.
- Since BRT corridor, currently has high floor island stations with doors, buses using the corridor need to have doors on the right side. However, outside the corridor only curbside boarding is possible and hence low/standard floor buses with doors on the left side are required. For this purpose, it is proposed that the 24 seater bus is desirable to be standard 550 to 650mm floor height with doors on both sides. To facilitate level boarding by these buses on the BRT corridor, a 15m long extension of the current island station is proposed, including a 6m long (1:20) ramp connecting the high floor section of the station with the low floor extension of the same (Figure 63 & Figure 64). It is possible to accommodate this additional length at the stations because the road geometry was originally designed to accommodate a station area length of 80m, while the stations developed on the current BRTS corridor are less than 40m in length.

- Based on the estimation of passenger trips to be catered by hybrid BRTS routes, the average trip length of commuters and assuming the current per km fare on RMTS (Rs. 1.0 per km) to be applied on hybrid RMTS³, it is expected that route A shall record an average earning per km (EPK) of Rs. 19.2 in 2018, 2023 and 2028, while Route B shall record an EPK of Rs. 7.2 in 2018, Rs.8.4 in 2023 and Rs. 10.8 in 2028. An average EPK of Hybrid BRTS service in 2028 is expected to be Rs. 11.8 in 2018, Rs. 13.0 in 2023 and Rs. 14.8 in 2028 (Annexure 8.15.1 to Annexure 8.15.3).
- Hybrid BRTS fleet may consist of regular diesel buses or more advance electric buses (e buses). With the current policy and government financing thrust in favor of e-buses, it is expected that hybrid BRTS routes may be operated using this technology. From the limited experience of cost per km (CPK) in operating 12m long battery-based e-buses with a guaranteed operation of 160 to 200km per day is in the range of Rs. 35 to Rs. 60 per km. Since the bulk of the capital cost for such buses is in the batteries, it is expected that with the possibility of booster charge at the end of the trip (10 minute layover time is included in operational calculations), and with reduced size of buses, this cost will reduce and the CPK in the range of Rs. 30 to 40 can be expected. Assuming a CPK of Rs. 35 per km which is not very different from the current average CPK of RMTS buses at Rs. 38.3, it is estimated that the operator of Hybrid BRTS will have to be subsidized at Rs. 23.2 per km in 2018, Rs. 22 per km in 2023 and Rs. 20.2 per km in 2028. This is slightly less than the current average subsidy of Rs. 26.6 per km on the current RMTS routes (Annexure 8.16). However, this estimation of EPK and CPK of Hybrid BRTS routes may change based on the fleet size, vehicle size and energizing methods used. Section 6.1.2 discusses these options in more details.
- It is expected that gradually more hybrid BRTS routes will be added to the current BRTS network, not only augmenting ridership on the BRTS corridor but also encouraging shift to more efficient public transport from less efficient private motorized modes. With potential of increased ridership on the BRTS corridor, it is expected that the current average per km fare on the BRTS may be rationalized to the level of RMTS from the current Rs. 1.50 per km to Rs. 1.0 per km. This also paves the way for an integrated regulator for both BRTS and RMTS. In the long run, it is expected that a common regulator will be advantageous in promoting bus based public transport in the city as it would allow better integrated route and service planning as well fare integration. This in turn is expected to attract higher ridership and reduce overall operational costs.
- Integrating additional routes on the current BRTS corridor in the form of hybrid BRT, opens an opportunity to improve the utilization of current BRTS infrastructure and extend the benefits of the system to more residents of the city. This also allows the city to defend investments in to the system when increasing traffic congestion in mixed traffic lanes, leads to demands of abandoning the system or pushing more (non-entitled) vehicles in the corridor. Many other cities with closed BRTS, already facing such problems. This is the reason why Ahmedabad BRTS has already integrated AMTS routes on some of its corridor in a Hybrid-BRTS format (TNN, 2015).

5.3.3 RMTS as Feeder

Analysis of zones of interest with potential to shift passenger trips to BRTS using RMTS services as the feeder network has been undertaken. This analysis identified a total of 8 routes out of the 31 routes crossing the BRT corridor, as having the maximum potential to shift passenger trips in favour of BRTS if conducive conditions exist. These routes were identified as they were connecting the BRTS corridor to the zones of interest for RMTS feeder (passenger) trips (to BRT). These routes are route no.'s, 2, 5, 7, 16, 26, 27, 40 and 57 (Figure 66). Of these routes, route no. 27 has the potential to be converted to a hybrid BRTS route, as discussed earlier. The conducive conditions for utilizing these routes as a potential feeder to BRT and the resultant or expected outcome is as following:

- One of the critical boundary conditions for RMTS to act as a feeder to BRTS is the required of reduced average waiting time of less than 10minutes (refer chapter 4). This means that the average headway on RMTS routes serving as feeder to BRTS should be in the range of 20 minutes. The current average headway on the 8 routes mentioned

³ This is one of the boundary conditions for estimating shift to BRTS using Hybrid BRTS as feeder – as discussed in chapter 4

above is 46.1 minutes. This period needs to be halved in order for these routes to serve as an effective feeder to BRTS. To achieve this it is estimated that an additional 18 buses (including 10% reserve) will need to be inducted in these routes.

- Another critical boundary condition for the selected RMTS routes to act as feeder to BRTS is the reduced changeover time between the modes. This can be achieved by locating the RMTS bus stops within 75m of the BRTS corridor, and providing a good quality pedestrian infrastructure linking these RMTS stations to the BRTS corridor. This implies that the junctions where RMTS routes cross the BRTS corridor should be developed with a good quality pedestrian infrastructure extending up to 100m on all cross roads. Though this should eventually be done for all such junctions on the BRTS corridor, however it is critical that such a cross road development be undertaken on Ramdev pir, Nanavati circle, Raiya chowk, Indira circle, KKV chowk and Punit Nagar Junctions on the BRTS corridor in the immediate phase. This is because the 8 selected routes cross the BRT at these junctions (Figure 65).
- Additional conditions (as discussed in chapter 4) include fare integration between RMTS and BRTS as well private vehicle parking regulations and restrictions (for horizon year 2023 and 2028).
- It is estimated that after if the above conditions are met, the 8 identified routes shall be able to shift 884 daily passenger trips in favour of BRTS in 2018, 1260 daily passenger trips in 2023 and 1573 daily passenger trips in 2028 (Table 64).

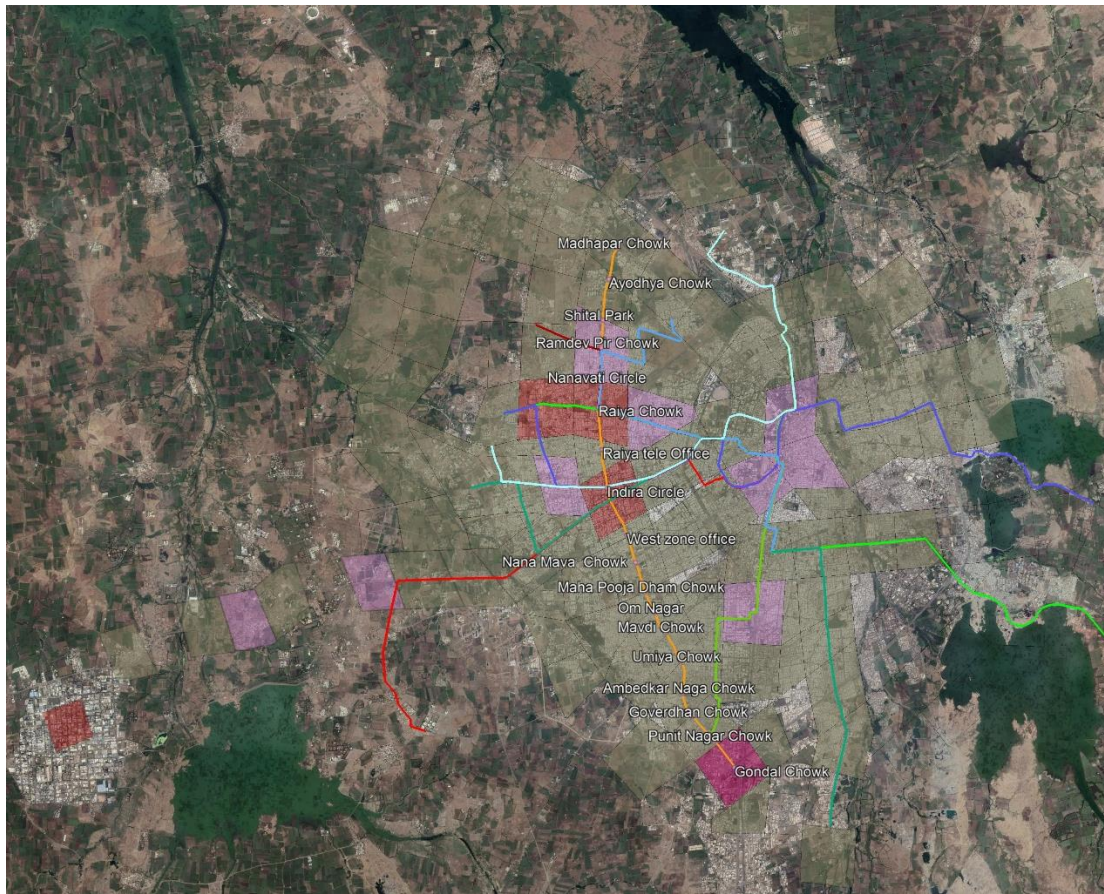


FIGURE 65: RMTS ROUTES CROSSING BRT - POTENTIAL TO SHIFT DAILY PASSENGER TRIPS IN FAVOUR OF BRTS

TABLE 64: EXPECTED DAILY SHIFT IN PASSENGER TRIPS TOWARDS BRT THROUGH RMTS- 2018,23 & 28

| Zone of interest | Year 2018 | Year 2023 | Year 2028 |
|------------------|-----------|-----------|-----------|
| 30 | 0.16 | 0.27 | 0.33 |

| Zone of interest | Year 2018 | Year 2023 | Year 2028 |
|-------------------------|------------------|------------------|------------------|
| 39 | 0.01 | 0.01 | 0.01 |
| 40 | 0.13 | 0.21 | 0.26 |
| 56 | 3.16 | 3.91 | 4.83 |
| 58 | 1.04 | 1.77 | 2.18 |
| 59 | 11.01 | 15.40 | 18.96 |
| 65 | 6.67 | 8.69 | 28.26 |
| 66 | 41.17 | 59.99 | 74.02 |
| 67 | 3.50 | 5.45 | 6.73 |
| 69 | 5.10 | 6.33 | 7.81 |
| 70 | 1.86 | 2.30 | 2.84 |
| 71 | 2.76 | 3.42 | 4.22 |
| 72 | 5.60 | 6.95 | 8.57 |
| 74 | 11.47 | 14.26 | 17.59 |
| 77 | 60.45 | 76.93 | 94.92 |
| 78 | 15.21 | 20.68 | 25.52 |
| 80 | 50.14 | 63.20 | 77.98 |
| 81 | 85.84 | 168.25 | 207.60 |
| 82 | 106.98 | 132.69 | 163.72 |
| 83 | 3.08 | 4.47 | 6.61 |
| 86 | 0.38 | 1.46 | 1.80 |
| 87 | 22.57 | 32.49 | 40.09 |
| 89 | 14.37 | 35.11 | 43.33 |
| 90 | 23.94 | 29.94 | 36.94 |
| 91 | 48.37 | 64.37 | 79.43 |
| 92 | 48.29 | 63.30 | 78.11 |
| 95 | 0.00 | 0.00 | 0.01 |
| 96 | 0.01 | 0.01 | 0.01 |
| 99 | 1.03 | 1.27 | 1.57 |
| 100 | 4.52 | 5.61 | 6.92 |
| 102 | 8.47 | 10.50 | 12.95 |
| 103 | 0.00 | 0.00 | 0.00 |
| 104 | 7.24 | 8.97 | 11.07 |
| 105 | 9.38 | 12.48 | 15.40 |
| 106 | 0.17 | 0.28 | 0.35 |
| 109 | 83.81 | 135.29 | 166.92 |
| 110 | 40.07 | 51.85 | 63.98 |
| 111 | 6.34 | 9.18 | 11.32 |
| 112 | 13.66 | 18.23 | 22.50 |
| 114 | 1.18 | 2.15 | 2.66 |
| 115 | 5.58 | 9.11 | 11.24 |
| 119 | 10.34 | 17.46 | 21.55 |
| 120 | 36.13 | 44.80 | 55.28 |

| Zone of interest | Year 2018 | Year 2023 | Year 2028 |
|------------------|------------|-------------|-------------|
| 122 | 2.84 | 5.28 | 6.52 |
| 126 | 0.03 | 0.04 | 0.05 |
| 128 | 0.06 | 0.07 | 0.09 |
| 132 | 0.61 | 0.76 | 0.94 |
| 135 | 1.21 | 2.78 | 3.43 |
| 139 | 2.28 | 3.38 | 4.17 |
| 146 | 9.00 | 14.45 | 17.83 |
| 149 | 11.08 | 14.06 | 17.35 |
| 154 | 0.40 | 0.67 | 0.83 |
| 163 | 0.01 | 0.01 | 0.01 |
| 166 | 0.59 | 0.85 | 1.05 |
| 167 | 0.79 | 0.98 | 1.21 |
| 168 | 54.06 | 67.12 | 82.82 |
| Total | 884 | 1260 | 1573 |

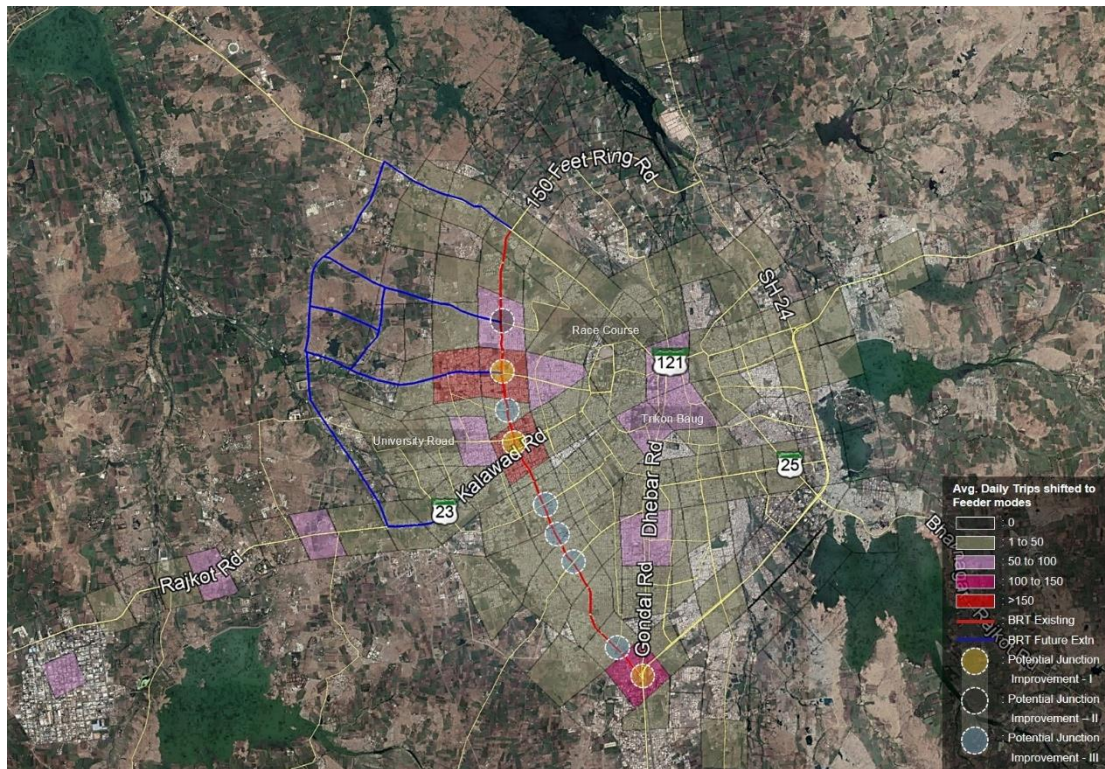


FIGURE 66: POTENTIAL RMTS NETWORK PLAN

5.3.4 E-Rickshaw as Feeder

Analysis of zones of interest with potential to shift passenger trips to BRTS using E-rickshaw as the feeder network has been undertaken. Using this analysis, a 7.8km route, looping across the BRT corridor has been proposed (Figure 67). This loop passes through Kishanpara chowk, Mahila college chowk, Kotecha chowk, Indira circle, Sinhar school, Sadhu Vasvani school for girls, Pramukh swami auditorium, Salus hospital and Khodiyar dairy farm and uses Gaurav path, Kalawad road, University road, Sadhu Vasvani road and Railya road. This loop has been selected because it has the highest potential of serving as an efficient BRT feeder system. It is estimated that this loop will effectively shift 254 passenger trips per day to BRTS in 2018, 446 passenger trips in 2023 and 552 passenger trips in 2028. Table 65 Presents the zone wise

breakup of trips attracted in favour of BRTS by the proposed E-rickshaw route in each of the three years for the study. The salient features of this proposed electric IPT mode as feeder to BRT have been presented below.

- From the e-ticketing data collected on RMTS routes, it is known that roughly 40% of trips using the routes that cross the BRT corridor, are accessing or crossing the corridor. Applying this figure to the proposed e-rickshaw route serving as a feeder to BRT corridor, and assuming that 50% of the e-rickshaw users crossing or terminating at the BRT corridor will shifting to the BRT service, the total daily ridership of e-rickshaw on this network can be estimated as $x/40\%/50\%$, where x is the estimated number of commuters using e-rickshaw as feeder mode to the BRT. Using this formula the number of daily passenger trips by e-rickshaw on the proposed corridor is expected to be 1270 in 2018, 2230 in 2023 and 2760 in 2028 (Annexure 8.17.1 to Annexure 8.17.3).
- Estimation of fleet requirement on the proposed route for e-rickshaw is based on the number of passenger trips to be catered, average operational speed of e-rickshaw, average expected occupancy, average commuter trip length, desired headway and route length. With the route length of the corridor and the average commuter trip length expected to remain the same in the current and the horizon years for the study, the fleet requirement is expected to change in future based on the changes in other parameters.
- The average commuter trip length by e-rickshaw is expected to be longer than walk but shorter than cycle. Current average one way walk trip to BRT is about 0.6km, while average trip length for cyclists is estimated to be in the range of 5.0km (discussed in the previous sections). Based on this it is estimated that the average commuter trip length by e-rickshaw on the proposed route shall be about 1.5km.
- The desired headway is based on the average waiting time (used in the estimate of potential passenger trips that might shift to BRT), which is 1 minute (refer chapter 4). However, since e-rickshaws are not operating as per a fixed schedule and rather wait for commuters at important nodes, the planned headway for e-rickshaw service has little or no impact on the average wait time if the same is available in sufficient numbers along the route. Thus for estimating the required fleet of e-rickshaw on the proposed e-rickshaw feeder route, is not dependent on the proposed headway, rather resultant headway based on fleet size requirement has been derived (Annexure 8.17.1 to Annexure 8.17.3).
- With an increase in traffic, the average operational speed on streets outside the corridor is expected to reduce from current year estimate of 8km/h to 7.6 km/h in 2023 and 7.22 km/h in 2028 (Annexure 8.17.1 to Annexure 8.17.3).
- An average occupancy of 50 to 60% is generally acceptable for shared feeder modes. If the occupancy and other parameters remains constant the headway will vary with the seating capacity of the mode. Most e-rickshaws are 4 seater vehicles. Based on this and using an average occupancy of 50%, on an average two passengers are expected to be using the e-rickshaw (Annexure 8.17.1 to Annexure 8.17.3).
- A 90% fleet utilization is usually accepted for a fleet of public service passenger vehicles. However in case of e-rickshaw three one hour charging cycles are expected in day (apart from the night charging), i.e. a charge every 25 to 30km. This is expected to reduce the fleet utilization by another 20%. Thus a fleet utilization figure of 70% has been taken for e-rickshaws.
- Based on the parameters mentioned above, the estimate total fleet requirement based for e-rickshaws, with routes operating on both direction on the proposed loop is, 11 in 2018, 21 in 2023 and 27 in 2028. With this fleet size the average headway between e-rickshaws is expected to be 14.7 minutes in 2018, 8.4 minutes in 2023 and 6.8 minutes in 2028. (Annexure 8.17.1 to Annexure 8.17.3).
- Based on the estimation of passenger trips to be catered by e-rickshaw, the average trip length of commuters and with an estimated per passenger km fare of Rs. 3.5, it is expected that route shall record and EPK of 7.0 Rs in 2018, 2023 and 2028 (Annexure 8.17.1 to Annexure 8.17.3).
- The estimated EPK is expected to be attractive for operators (without the need for any subsidy). The operations may be undertaken by a company employing drivers or by individual operators. In case of later some additional support from the RMC may be

required to provide land and charging stations as well some support in acquiring loan from banks for the purchase of the vehicles.

TABLE 65: EXPECTED DAILY SHIFT IN PASSENGER TRIPS TOWARDS BRT THROUGH E-RICKSHAW- 2018,23 & 28

| Zone of interest | Year 2018 | Year 2023 | Year 2028 |
|------------------|------------|------------|------------|
| 80 | 16.35 | 30.81 | 38.02 |
| 81 | 31.37 | 52.67 | 65.05 |
| 82 | 67.71 | 116.43 | 143.65 |
| 87 | 17.41 | 33.13 | 40.88 |
| 89 | 54.28 | 101.50 | 126.78 |
| 90 | 37.86 | 52.22 | 65.10 |
| 109 | 18.01 | 34.51 | 42.59 |
| 110 | 10.85 | 24.27 | 29.95 |
| Total | 254 | 446 | 552 |

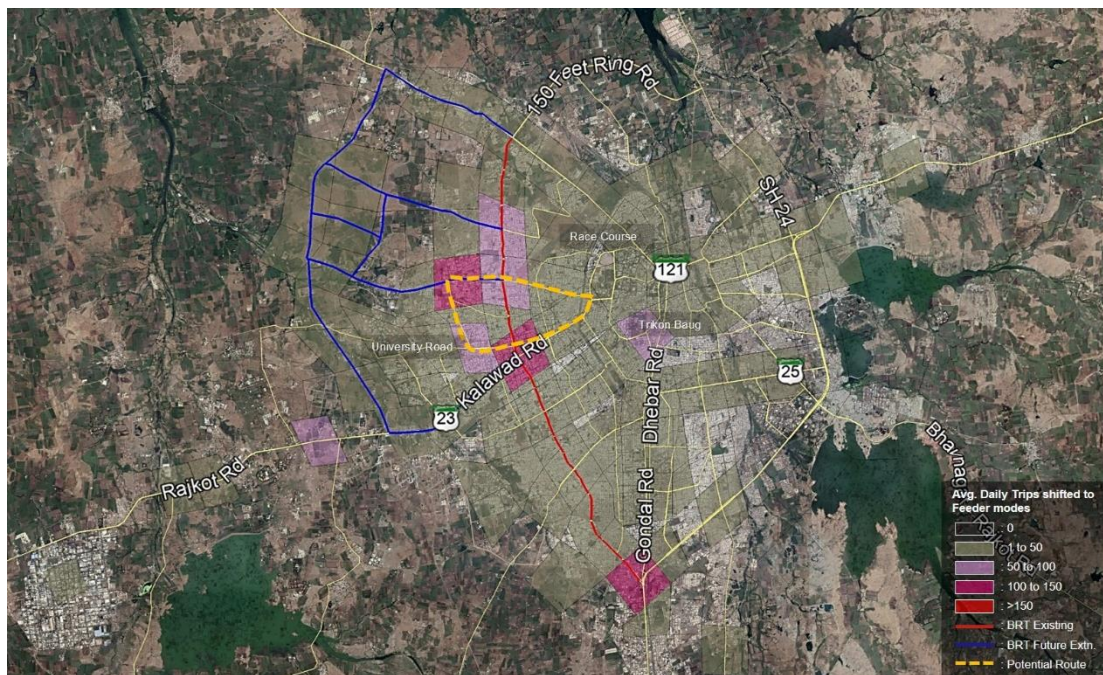


FIGURE 67: POTENTIAL E-RICKSHAW NETWORK PLAN

5.4 Impact on Current BRTS Corridor Ridership and Fleet Requirement

If all four means for developing BRTS feeder network are implemented, then it is expected that the city would have shifted a total of 3796 daily passenger trips in favour of the current BRTS corridor in 2018, 5284 daily passenger trips in 2023 and 7567 daily passenger trips in 2028. In addition to this the BRTS ridership is expected to grow with the increasing population (affecting an increase in passenger trips from each zone), development around the corridor and the trip rate in the city. This rate is estimated to be 24% in 2023 and 53% in 2028 (over current year ridership). Basis this the current number of daily trips by BRT i.e. 21,109, are expected to increase to 26,175 in 2023 and 32,297 in 2028, in a BAU scenario - provided BRTS fleet is

expanded to accommodate the same. This means that the cumulative demand on BRT after introducing the feeder network (as explained above) is estimated to be 24,905 by the end of 2018, 31,459 in 2023 and 39,864 in 2028. Table 66 presents the estimate of potential daily passenger trips on BRTS after the feeder network development as discussed above is undertaken.

TABLE 66: ESTIMATED SHIFT OF DAILY PASSENGER TRIPS BY INTRODUCTION OF EACH OF THE FIVE IDENTIFIED FEEDER MODES

| Feeder Network/Mode | 2018 | 2023 | 2028 |
|-------------------------------|--------------|--------------|--------------|
| Walk | 533 | 680 | 841 |
| Cycle | 781 | 1176 | 2260 |
| Hybrid BRTS | 1345 | 1722 | 2342 |
| RMTS | 884 | 1260 | 1573 |
| E-Rickshaw | 254 | 446 | 552 |
| TOTAL trips shift | 3796 | 5284 | 7567 |
| Current BRTS corridor | 21109 | 26175 | 32297 |
| TOTAL Including feeder | 24905 | 31459 | 39864 |

The above estimates have been fed in a model to estimate fleet requirement, headway and EPK for BRT. The model was tested with the base year figure of 21,109 average daily passenger trips (derived from the BRTS ridership data for August 2017), with the average trip length of 3.83 km on BRT average BRTS operational speed of 18.48 km/h and average per passenger km fare of Rs. 1.50 (derived from BRTS data provided by RRL as discussed in chapter 3). The model estimates based on 90% fleet utilization and average occupancy of 78% closely match with current data (Annexure 8.18). For example, the model estimates a fleet of 11 buses with average 248km of operations per bus per day, and a resultant average headway of 7.8 minutes. As against this observed fleet size is 11, observed average km undertaken by each bus per day is 250 and average headway is about 7.5 minutes (Annexure 8.18). Since average occupancy is nearing 80%, it is not expected to change in the future. Hence estimates for BRTS fleet size and expected headway are based on all the parameters retained as same in the model except for expected daily trip demand. Hence three scenarios are created, daily trip demand with additional trips attracted to BRTS through proposed feeder services in 2018, 2023 and 2028.

Based on the above estimate of daily ridership on BRTS in each of the three study periods, after implementing the identified feeder network, it is estimated that the current corridor fleet size will need to be expanded from current 11 buses to 13 buses when estimated feeder trips are accounted for, to 16 buses in 2023 (with trip demand including feeder trips in that year) and 21 buses in 2028 (with trip demand including feeder trips in that year). As a result of this average headway on the BRTS corridor will reduce to 6.7 minutes in 2018, 5.3 minutes in 2023 and 4.2 minutes in 2028 (Annexure 8.18). This headway is expected to reduce even further with the introduction of hybrid BRTS fleet as discussed above. This is in turn expected to make the BRTS even more attractive for potential commuters.

The change in fleet size and headway is however not expected to change the average EPK figure from Rs. 49.14, This is because no change is expected in the fare, occupancy or commuter trip length. Thus, the average per km subsidy required from the city to operate RRL services is expected to remain unchanged. Also based on the current data available with RRL the EPK is estimated at Rs. 60.4. It may be important to note that this difference is attributed to the actual fare box earning being based on fare slabs. For example the average trip length of 3.8km at an estimated average per passenger km fare (as estimated from fare chart in chapter 3) of Rs. 1.5 is Rs. 5.7. However the actual fare for this distance on the BRTS bus is Rs. 7.0.

Since the fleet of BRTS buses can be expected to double over the next decade, over which time period the current BRTS buses would have reached the end of their life, there is potential in exploring other alternate vehicle technologies. This includes e-buses, especially since the current policy thrust is in favour of such vehicles. Section 6.1.2.1 discusses the potential for incorporating 12m long e-buses in the BRT fleet.

Of the total of 3641 daily passenger trips estimated to be shifted in favour of in 2018, 5089 in 2023 and 7330 in 2028, most are expected to shift from shared 3W in all three years i.e., 2018, 2023 and 2028, while the least shift is expected from RMTS, pedestrians and cyclists. Figure 68 to Figure 70 present the mode share attracted by all feeder modes together from different existing modes.

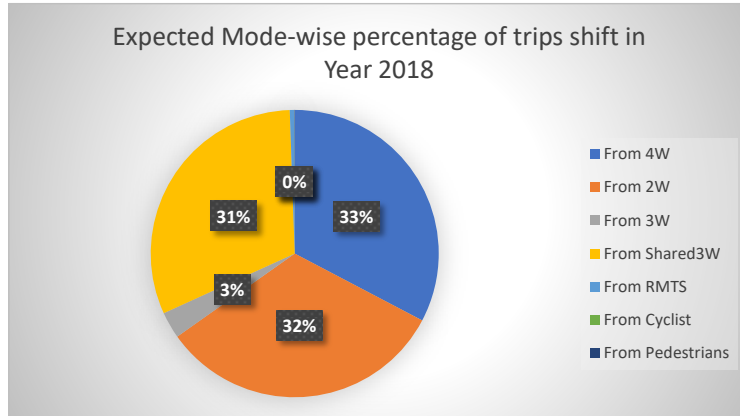


FIGURE 68: MODE-WISE PERCENTAGE TRIPS SHIFT IN YEAR 2018

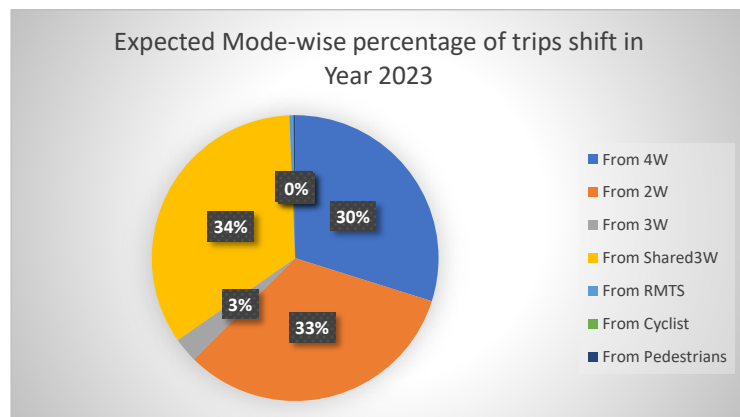


FIGURE 69: MODE-WISE PERCENTAGE TRIPS SHIFT IN YEAR 2023

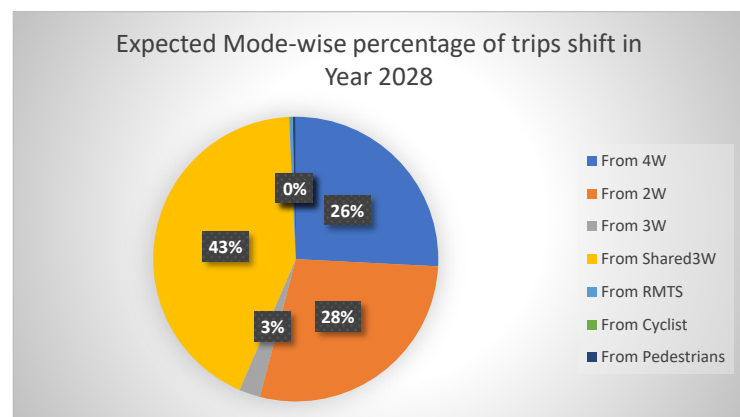


FIGURE 70: MODE-WISE PERCENTAGE TRIPS SHIFT IN YEAR 2028

Based on the findings of this study it is estimated that the potential passenger trips that can be shifted from different modes in the catchment area of BRT is in the range of 7400 (in 2018),

10,900 (in 2023) and 16,000 (in 2028). Of these it may be economically and technically practical to shift roughly half the passenger trips to BRT network after the introduction of the feeder network discussed above. It is also estimated that the total shift of daily passenger trips (from different modes) to the five feeder modes discussed is in the range of 32700 (in 2018), 46,700 (in 2023) and 65300 (in 2028). This is 80% of the total passenger trips expected to be carried by the proposed feeder network in each year of interest. Of this roughly 11.6% are expected to shift to BRT in each year of interest. Thus the proposed feeder network will serve additional passenger trips which will help to improve its economic viability.

5.5 Options for financing feeder infrastructure development and integration

Of the six possible feeder systems BRT, evaluated for implementation in Rajkot, five have been proposed for implementation in different areas of the city, as discussed above. The sixth, omitted, system is the shared Auto Rickshaw. This feeder mode did not present significant potential for increased feeder trips to BRT (it already serves as a feeder for limited trips to BRT), either in general or on any focused corridors. Thus interventions in to shared auto rickshaw system is proposed to be avoided. All other systems can be considered attractive for implementation in the city by the concerned officials. This chapter discusses possible financing options that may be considered by the city for implementation of these systems.

5.5.1 Walk and Cycle Feeder – Street redevelopment and Bicycle sharing

To develop walking and cycling as an effective feeder mode, this study proposes implementation of bicycle sharing system as per the study by ICLEI-SA, in and around the recommended corridors and zones and along with street redevelopment of 12 km primary streets and approximately 30 km secondary and tertiary streets, in order to integrate high class pedestrian and bicycling infrastructure on these roads. Financing of development and operations of bicycle sharing system has been covered in the ICLEI-SA report for Rajkot on the same. These include multiple options such as raising additional revenue from advertisement at the bicycle stations, etc.

In addition to bicycle sharing the proposal is to develop a total of 42 km of road network at an estimated cost of Rs 130 to 148 crores. This is a one-time investment required from the city. The city may explore innovative ways for financing this investment. These ways are primarily based on land monetization, around the developed streets, because street improvements are likely to result in increased land value in that area. Two possible financing mechanisms that may be considered by the city are:

- Sale of additional FAR – The city may come up with schemes encouraging residents buy additional FAR and or land use change around these streets. The income from this measure can be directly used to develop the streets. However sale of additional FAR and higher property taxes may not be easy to implement before development of the streets. Which may require the city to take short term loans for this development from financing institutions such as the World Bank or the Asian Development Bank (ADB).
- Increase in property tax – The increased property tax should ideally be implemented after the development of the streets has been completed. The additional revenue from this may be collected as a separate head and used for upkeep and maintenance of these streets.

5.5.2 Hybrid BRTS

The two routes on Hybrid BRTS (as discussed above) are not expected to be profitable, both with operations of Diesel or electric buses. The city will required to subsidize the operations of these buses at an approximate cost of Rs. 20 to 23 per km. This comparable to the subsidy on the current RMTS routes of Rs. 26 per km. The operations of these routes may be given to a

private operator under a concession agreement (in line with the current RMTS operations). Though there are no monetary benefits expected out of financing the Hybrid-BRTS system, however investments in any public transport system is expected to return economic and social benefits. This means that the financing of such systems will remain the governments responsibility.

5.5.3 RMTS Services

No changes are proposed in the current RMTS financing in the short term as it is already a successfully managing its operations. However, in the long term the city may consider aggregating a number of routes in to a single larger contract. This shift may open a window for the city to change its fleet to more efficient technologies, such as hybrid or electric, and is also expected to reduce the CPK (for the city government) reduce the per km subsidy required from the city.

Additionally, the junctions on BRTS are proposed to be developed with pedestrian infrastructure linking RMTS bus stops to BRTS station (within 75m of the corridor). The estimated cost of developing each of these junctions is expected to be in the range of 50 lakh to 1.0 crore. It is expected that this investment shall be required from the city. However corporates and public sector undertaking may be roped in for financing the maintenance and upkeep of the junctions (including limited landscaping and beautification) as a part of their CSR activity.

5.5.4 E-Rickshaw

As discussed above – e-rickshaw services as feeder may be possible to be introduced without any financing requirement from the government. This is because e-rickshaw ridership has been estimated at a fare of Rs. 3.5 per passenger km or an EPK of Rs. 7, which is expected to cover costs and return limited profits for the operators. The operators can be individuals or corporates owning the fleet. The government may however be required to provide land for charging and parking of e-rickshaws and also subsidize the electricity (for e-rickshaw) so as the same is available to the operator at no more than domestic rates.

5.6 Electrification options and viability for feeder modes of interest

5.6.1 Potential of electrification of different modes for last mile connectivity

Besides walking, all the modes of transportation for last mile connectivity could also be done with the respective electric vehicles (e-rickshaw, e-bike etc, electric car, etc.).

The current use of the different modes as a mode for last mile connectivity gives a good indication on the potential for electrification of the corresponding mode. The most frequent used modes for last mile (average of first and last mile) according to Table 29 are:

- Walking: 74 %
- City bus: 10.5 %
- Auto rickshaw: 7.5 %
- Other modes (Bicycle, BRT, car, two-wheelers, shared auto rickshaw, drop/picked up): < 5%

According to the current use of non-electric modes, the highest potential for electrification have city buses, followed by auto rickshaws, while other modes have rather a small potential.

5.6.1.1 Electric city buses

General information about the electrification of buses can be found in chapter 6 of this report. A potential electrification of the city buses could benefit from already gained know-how for electric buses on the BRT-corridor. There are multiple synergetic effects in the coordination and collaboration of electrifying the BRT-corridor and city buses, such as:

- Shared use of charging infrastructure
- Shared use of bus maintenance

- Joint procurement resulting in less expensive costs per unit

5.6.1.2 E-rickshaws

Auto-rickshaws are a very common vehicle in Indian cities and often used for intermediate public transport (IPT). IPT is a major transport mode throughout India, offering a convenient mode of transport at a reasonable cost. Auto rickshaws are also used as a mode for last-mile connectivity. The electrification of rickshaws could be promoted by the provision of parking and charging infrastructure for e-rickshaws in close distance to BRT stops. Also, depending on the charging strategy for the BRT, charging infrastructure at the depot and/or at the terminal or selected bus stops could be provided. Besides charging infrastructure along the BRT-corridor, charging infrastructure should also be provided at main attraction points, such as markets, schools etc. The flat topography of Rajkot is an advantage for the introduction and promotion of e-rickshaws, as pilots in other Indian cities have shown that e-rickshaws have poorer performance in hilly terrain when compared to auto rickshaws. The “Bharat EV standards” published by the Department of Heavy Industries specify the type of charging infrastructure required for Indian cities. The document recommends cities to prioritise AC charging stations in the short term, considering the low power requirement of e-rickshaws.

5.6.1.3 Electric bicycle

An electric bicycle, also known as e-bike, is a bicycle with an integrated electric motor to assist the riders’ pedal power. Electric bicycles use rechargeable batteries and reach a speed of around 25 km/h (slow e-bikes) to 45 km/h (fast e-bikes).

Electric bicycles have the following main advantages:

- Higher speed which reduces the travel times
- Longer range when compared to conventional bicycles (e.g. in Switzerland, bicycles are usually used for short distances (0 – 5 km), while E-Bikes are also being used for medium distances (5 – 15 km))
- High potential for hilly terrain when compared to conventional bicycles
- Health benefits when compared to other electric vehicles

E-bike usage has experienced rapid growth for the last years. In many western countries, especially fast e-bikes have the potential to encourage people to use e-bikes instead of cars due to the increased range and higher speed. Slower e-bikes are especially popular for elderly people or for people with lower fitness levels. For last mile connectivity in Rajkot, the potential of E-bikes seems relatively low for the following reasons:

- People with an e-Bike will most likely not have a need to use public transport, as they can reach their destination much faster by doing the whole trip by e-Bike instead of doing one part of their trip by e-Bike and one part by public transport. This is also the case for conventional bikes, which is reflected in the low amount of people using bicycle as a mode for last connectivity (2%).
- An E-Bike might be attractive for last mile in a hilly city, where walking or biking can be exhausting. This is not the case in Rajkot

The integration of e-bikes in the proposed bike sharing system might be reasonable for stations, where attractors are a bit further away from the station (5 – 15 km) and a public transportation or IPT service to these attractors is inexistent. The existence of safe and attractive bike routes however is a prerequisite.

5.6.1.4 Recommendation

For the above reasons, the highest potential for the electrification of vehicles for last mile connectivity have city buses and rickshaws. The electrification of these two modes should be further pursued. City buses could use the prospective charging infrastructure at the BRT depot (see chapter 6.2.2). Charging stations for e-rickshaws should be installed along the BRT-corridor as well as at main attraction points, such as markets, schools etc.

5.6.2 Indian policy frameworks and incentives

5.6.2.1 National Electric Mobility Mission Plan 2020

The National Electric Mobility Mission Plan (NEMMP) 2020 is an initiative taken by the Department of heavy Industries that aims to accelerate the growth of the electric and hybrid components of the automotive sector. It focuses primarily on fast-tracking the manufacturing and introduction of EVs in India (Global Green Growth Institute, 2015).

5.6.2.2 Faster Adaption and Manufacturing of (Hybrid &) Electric Vehicles

The Department of Heavy Industries had launched Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles (FAME) in April 2015 (UITP India, 2018). As part of the NEMMP, FAME has a corpus of about 8 billion INR to invest in electric mobility based initiatives. The fund was allocated for a duration of two years and expired in April 2017. The government extended the demand incentives until 2020 (The Economic Times, 2017). The scheme is focused on the following key areas:

- Fiscal and tax eco system to encourage customers to opt for Electric Vehicles
- Purchase of Electric or Hybrid Vehicles
- Pilot Project for City Buses
- Supporting Infrastructure

5.6.2.3 Green Urban Transport Scheme

The Ministry of Urban Development will launch the project "Green Urban Transport Scheme", enabling a shift towards electric vehicles for public transport and use of non-fossil fuel for powering vehicles. The total cost of the project will be around INR 800 billion.

The government will give funding to 105 cities which will be selected through competition. The funding of the scheme will be 50:50 between states and the central government. The ministry has proposed a grant of INR 250 billion, the rest may come from multi-lateral banks and state governments (UITP India, 2018).

5.6.3 Other policies that promote electric mobility

5.6.3.1 Environmental zones

Zones are restricted to vehicles that have an environmental badge. Badges are only given to vehicles that meet specified emission rates. In Germany, the first environmental zones have been introduced in 2007 to reduce the pollution through fine particle in cities and municipalities (Umwelt-Plakette, 2018). Currently there are 55 environmental zones already introduced in German cities.

5.6.3.2 Diesel restriction zones

Similar to the environmental zones, restricting diesel vehicles depending on their emission rates from entering specific zones.

5.6.3.3 Parking

Parking can be used as an incentive either with the provision of specific parking for electric vehicles only or with electric vehicles being exempted from parking fees.

5.6.3.4 Financial incentives

Financial incentives can be an exclusion from fees and taxes. With the goal of reaching 50'000 pure electric vehicles, the Norwegian government for instance exempted all electric cars and vans from non-recurring vehicle fees, including purchase taxes and 25% VAT on

purchase (Wikipedia, 2018). Financial incentives can also be in the form of direct subsidies on the vehicle price paid to the consumers.

5.6.3.5 Use of restricted lanes

Electric vehicles can be allowed to use lanes that are restricted to public transport. This incentive however is highly controversial as it can lead to congestion on the restricted lanes, making the use of public transport less attractive.

5.6.3.6 Charging infrastructure

The provision of charging infrastructure can reduce the costs of the customers and increase the range of electric vehicles.

6 Feasibility and Options for Electrification of BRT Corridor

6.1 Feasibility and options for electric BRT fleet

Fully battery driven electric buses have two main disadvantages when compared to diesel buses (Lenz, 2017).

- a) The energy storage capacity (density) of diesel is much bigger than the energy storage capacity of a battery (factor 1:100). This means that to compete with diesel buses, electric buses either need big and heavy batteries that guarantee a minimal range or charging infrastructure at stops or along routes are needed to recharge the batteries.
- b) The energy transfer rate of a diesel bus is in general much higher than the energy transfer rate of an electric bus (again factor 1:100). In other words, it takes much longer to charge a battery than to refuel a diesel bus. This factor however can be reduced significantly using fast charging stations.

Because of these disadvantages, the introduction of electric buses requires a careful analysis on where and how often the buses should be charged (**charging strategy**) and how the buses should be charged (**charging technology**).

Charging strategy and charging technology have interdependencies, i.e. the charging strategy at least partly determines the charging technology. The electrification of the BRT-corridor is feasible, if the operation can be achieved with the chosen charging strategy and technology.

6.1.1 Charging strategies

6.1.1.1 Overnight charging

Buses are being charged overnight, typically at the bus depot. This means that the daily mileage must be attained with one full charging cycle. The daily range of the buses is limited to the capacity of the battery. Therefore, buses that are being fully charged overnight usually have heavier batteries with a longer range.

6.1.1.2 Opportunity charging

Buses are being charged at selected bus stops along the route. Typically, the buses can additionally be charged at the terminal stations during layover times. There are no limitations of range with this strategy, but charging infrastructure at selected stations is required. These charging stations usually have dimensions of about 2 x 3 x 3 meters (Lenz, 2017).

6.1.1.3 In motion charging

Buses are drawing power from overhead wires while driving. There are no limitations of range, but overhead wires are required.

6.1.2 Relevant factors for charging strategy

The choice for a suitable charging strategy depends on a variety of route and operational characteristics, such as vehicle size, fleet size or required range of vehicles. The most important factors and their impacts on the charging strategy are briefly described in this chapter.

6.1.2.1 Vehicle size

Bigger vehicles have a higher energy demand. A bi-articulated 24 m bus e.g. has about twice the energy demand of a 12 m standard bus, as shown in the Table 67 below.

TABLE 67: ENERGY CONSUMPTION FOR DIFFERENT BUS LENGTHS. SOURCE: (Lenz, 2017)

| Bus length | 12m (standard bus) | 18m (articulated bus) | 24m (bi-articulated bus) |
|--------------------|-----------------------|--------------------------|-----------------------------|
| Energy consumption | 1.5 kWh / km | 2.25 kWh / km | 3 kWh / km |

Since the charging rate remains the same, bigger vehicles that consume more energy need to be charged longer. However, with the strategy of overnight charging, the available charging time is limited to the non-operating hours. For the case of Rajkot, the daily mileage per vehicle is around 250 km. Table 68 displays the required energy and the charging time. It is assumed that the charging power is 60 kW, which is a common power rate (at the actual state) for fully battery driven plug-in buses that use overnight charging.

TABLE 68: CHARGING TIME FOR DIFFERENT BUS LENGTHS

| Bus length | 12 m (standard bus) | 18 m (articulated bus) | 24 m (bi-articulated bus) |
|---|------------------------|---------------------------|------------------------------|
| Energy consumption for 250 km | 375 kWh | 562.5 kWh | 750 kWh |
| Charging time for full battery load. Charging power: 60 kW | 6.25 h | 9.4 h | 12.5 h |

As shown, overnight charging is best for 12 m or smaller buses. For bigger buses, the time required to fully charge the bus can be longer than the non-operating hours which makes overnight charging not appropriate for longer buses.

With opportunity charging, longer vehicles face a similar issue. The time needed to recharge a bus at a stop will increase with the size of the vehicle, as they consume more energy. As buses cannot drive while they are being charged, standing times increase accordingly. Therefore, like overnight charging, opportunity charging is less suitable for bigger vehicles.

6.1.2.2 Fleet size

Overnight charging implies that all buses are being charged during the same time, typically during night. This means that the energy demand of all buses needs to be met during the same time which requires much more power. With opportunity charging or in motion charging on the other hand, energy demand is more evenly distributed as not all vehicles need to be charged at the same time. Therefore, for bigger fleet sizes, opportunity charging or in motion charging is more suitable than overnight charging, which only should be considered for relatively small fleet sizes.

6.1.2.3 Range

With overnight charging only, the range of the bus is limited to the capacity of the battery and the energy demand of the vehicle. With opportunity charging and in motion charging, the range is unlimited if charging infrastructure at stops or overhead wires are available.

6.1.2.4 Flexibility

Due to the dependency on overhead wires, in motion charging offers the smallest flexibility of all charging strategies. Bus operation is only possible on the electrified routes. Overnight

charging allows for the biggest flexibility, as buses are not dependent on any charging infrastructure during operation.

6.1.2.5 Summary

The impacts of the described factors on charging strategies are summarized Table 69.

TABLE 69: IMPACT OF DIFFERENT FACTORS ON CHARGING STRATEGY

| | Size of vehicle | Fleet size | Range | Flexibility |
|----------------------|-------------------------|------------|-----------|-------------|
| Overnight charging | Small – standard (12 m) | Small | Limited | Big |
| Opportunity charging | Small – standard (12 m) | All sizes | Unlimited | Medium |
| In motion charging | All sizes | All sizes | Unlimited | small |

6.1.3 Charging technologies

6.1.3.1 Plug-in charging

Plug-in charging (Figure 71) is the most common form of charging EVs. It is usually used for overnight charging at the depot and less often for opportunity charging, e.g. at terminals, as the driver needs to get out the vehicle to recharge it and as the charging duration is typically long. The charging power ranges from around 30 kW to 150 kW (Siemens, 2018).



FIGURE 71: PLUG-IN CHARGING AT THE AIRPORT STUTT GART. SOURCE: (Siemens, 2018)

6.1.3.2 Pantograph

A. Top-down pantograph

Top-down-pantographs (Figure 72) are mounted to charging points at selected bus stops. The charging power can vary, but is typically around 300 kW with a charging time from 3 to 10 minutes (Lenz, 2017).



FIGURE 72: TOP-DOWN PANTOGRAPH IN HAMBURG. SOURCE: (Siemens, 2018)

There are also systems that allow a flash charging, i.e. a system with a much shorter charging time (around 15 seconds) and a higher charging power (400 – 600 kW). With flash charging (Figure 73), a bus can be charged just during the time passengers embark and disembark. However due to the short charging time, the buses need multiple stations with charging points in short distances (e.g. in Geneva charging stations at 25% of all stops).



FIGURE 73: ARTICULATED BUS WITH FLASH-CHARGING IN GENEVA (SOURCE: ABB)

B. Bottom-up pantograph

Bottom-up pantographs (Figure 74) are directly mounted on the bus roof. This technology is mainly being used in cities with existing overhead wires, such as for tramways. The charging power ranges from 60 to 120 kW.



FIGURE 74: BOTTOM-UP PANTOGRAPH IN VIENNA. SOURCE: (Siemens, 2018)

6.1.3.3 Inductive charging

Inductive charging (Figure 75) is a technology used to charge e-buses either for overnight charging at the depot or for opportunity charging at selected bus stops. The charging infrastructure remains invisible for the customers as the charging slabs are buried underground. The charging process starts automatically as soon as the vehicle completely covers the charging segment. The charging takes around 2 min.

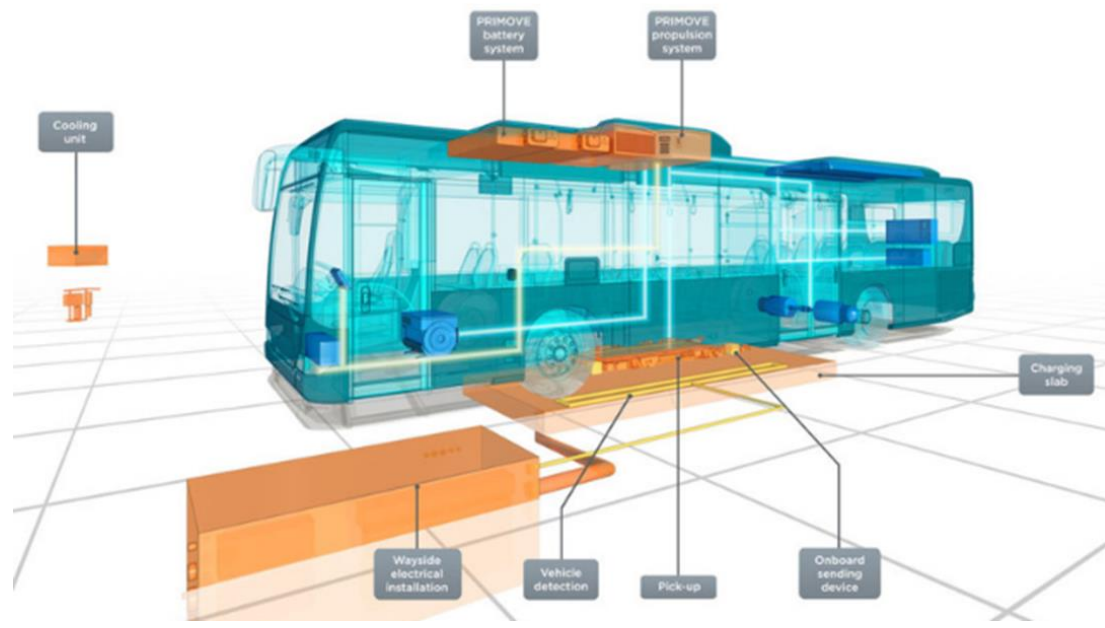


FIGURE 75: INDUCTIVE CHARGING.

Source: (Bombardier, 2018)

6.2 Feasibility and options for charging infrastructure

6.2.1 Charging strategy for Rajkot

As shown in the table above, 12 m buses are used for the BRTS and the total bus fleet with 10+1 vehicles is rather small. Therefore, regarding the size of the vehicles and the size of the bus fleet, opportunity charging seems the appropriate charging strategy for the BRT in Rajkot. However, it must be proven that the operation of the BRT with overnight charging is feasible. The following issues need to be considered:

1. Is it possible to drive the required distance (250 km per day) with a fully charged battery bus?
2. Is it possible to fully charge a bus during the non-operating hours?
3. Is it possible to provide enough power at the charging location when all buses are being charged simultaneously?

According to table 1, the energy consumption for a 12 m bus is around 1.5 kWh/km. With a daily driven distance of 250 km, the energy consumption for an electric bus would be around 375 kWh. With operating hours from 6 am to 11 pm (17 hours), around 6 hours per day could be used for charging the electric buses. Therefore, the required charging power is 375 kWh/ 6 h = 62.5 kW. The required charging power at the depot for the whole BRT fleet would be 11 * 62.5 kW = ca. 700 kW. This charging power would need to be provided at the depot.

Table 70 contains electric buses, which would meet the requirements for Rajkot. It can be concluded that already with today's technology, the operation of the BRT-corridor with 12 m electric buses can be accomplished with overnight charging, where buses are being charged at the depot only.

TABLE 70: EXAMPLES OF EXISTING 12 M BUSES THAT MEET REQUIREMENTS FOR RAJKOT.

| | Ebusco 2.1 | BYD ADL Enviro 200 EV | Solaris Urbino 12 electric |
|-----------------------|-------------------|------------------------------|-----------------------------------|
| Range [km] | 300 | 290 | 267 |
| Charge rate [kW] | 75 | 80 | 80 |
| Capacity [passengers] | 90 | 90 | 90 |
| Top speed [km/h] | 80 | 70 | 80 |

6.2.2 Charging infrastructure

With overnight charging, the required charging infrastructure is relatively small. Most charging stations consume less than 1 m² of space. Furthermore, plug-in charging stations are safe, robust and durable. The existing area at the BRT depot (Figure 76) should provide more than adequate space for all required charging stations. The city of London for instance managed to provide 43 charging stations for 46 buses in a garage (Figure 77 & Figure 78) that regarding area is only slightly bigger than the BRT depot in Rajkot (Bus&Coach Buyer, 2016).



FIGURE 76: BRT DEPOT IN RAJKOT



FIGURE 77: PLAN OF WATERLOO ELECTRIC BUS PARKING IN LONDON.

Source: (Bus&Coach Buyer, 2016)



FIGURE 78: WATERLOO ELECTRIC BUS PARKING AND CHARGING INFRASTRUCTURE.

SOURCE: (Bus&Coach Buyer, 2016)

6.2.3 Impact of electrification of BRT-corridor on energy consumption

The total Energy consumption of the BRT-fleet for Rajkot would add up to $10 \times 375 \text{ kWh} = 3'750 \text{ kWh}$ per day or around $1'370 \text{ MWh}$ per year. This is around 0.1% of the energy demand of the city of Rajkot.

6.2.4 Environmental and social impact assessment

If the used electricity is drawn from renewable, CO₂-free electricity sources, the CO₂ savings of the electrification are ca. 100 kg CO₂ / a and vehicle or roughly 1 t CO₂ / a for the entire fleet (RWTH Aachen University, 2018). Besides the CO₂ savings, there are also health benefits due to less air pollution and less noise.

6.2.5 Costs

6.2.5.1 Vehicle costs

Table 71 gives a comparison of investment costs of standard 12 m transit buses in different world regions comparing diesel, hybrids and electric units. It should be noted that these costs are at least from 2013 or older.

TABLE 71: REGION WISE PRICE COMPARISON FOR 12 M BUSES

| Market | Conventional diesel | Hybrid | Electric | Mark-up Hybrid | Mark-up Electric |
|---------------|---------------------|---------------------|---------------------|----------------|------------------|
| China | \$60,000-\$90,000 | \$125,000-\$200,000 | \$280,000-\$350,000 | 115% | 420% |
| India | \$75,000-\$110,000 | \$175,000-\$255,000 | \$325,000-\$410,000 | 130% | 300% |
| Russia | \$130,000-\$180,000 | \$245,000-\$325,000 | \$400,000-\$500,000 | 85% | 190% |
| Latin America | \$200,000-\$225,000 | \$280,000-\$340,000 | \$410,000-\$500,000 | 45% | 115% |
| Rest of World | \$100,000-\$350,000 | \$195,000-\$500,000 | \$300,000-\$700,000 | 55% | 120% |
| Europe | \$250,000-\$350,000 | \$420,000-\$510,000 | \$575,000-\$680,000 | 55% | 110% |
| North America | \$300,000-\$400,000 | \$485,000-\$540,000 | \$595,000-\$690,000 | 45% | 85% |
| Average | \$200,000 | \$330,000 | \$480,000 | 65% | 140% |

SOURCE: (Grütter, 2015)

Battery driven electric buses are a new technology. New technologies have generally higher costs that will decrease if the technology is successful due to economies of scale and cost improvements. This is already the case for electric buses. While costs of conventional diesel buses can be assumed to be about the same, costs for electric buses have decreased and are approximately around 300'000 USD for a 12 m bus. Investment costs for electric buses are still higher than for conventional buses, but the price difference has become smaller.

6.2.5.2 Battery costs

The main reason for the higher costs of electric buses is the battery (Global Green Growth Institute, 2015). The size of the battery depends on the drive range of the vehicle, and the battery size influences the cost of the battery. Figure 79 shows the evolution of lithium-ion battery prices and the expected time to reach the benchmark price of USD 150 / kWh. The price of lithium-ion battery has decreased from USD 1'000 / kWh to USD 410 / kWh for the period 2007-2014, i.e. a price drop at an average annual rate of 14%. According to the figure, prices will continue to decrease in the future at 6%-8% per year (Global Green Growth Institute, 2015).

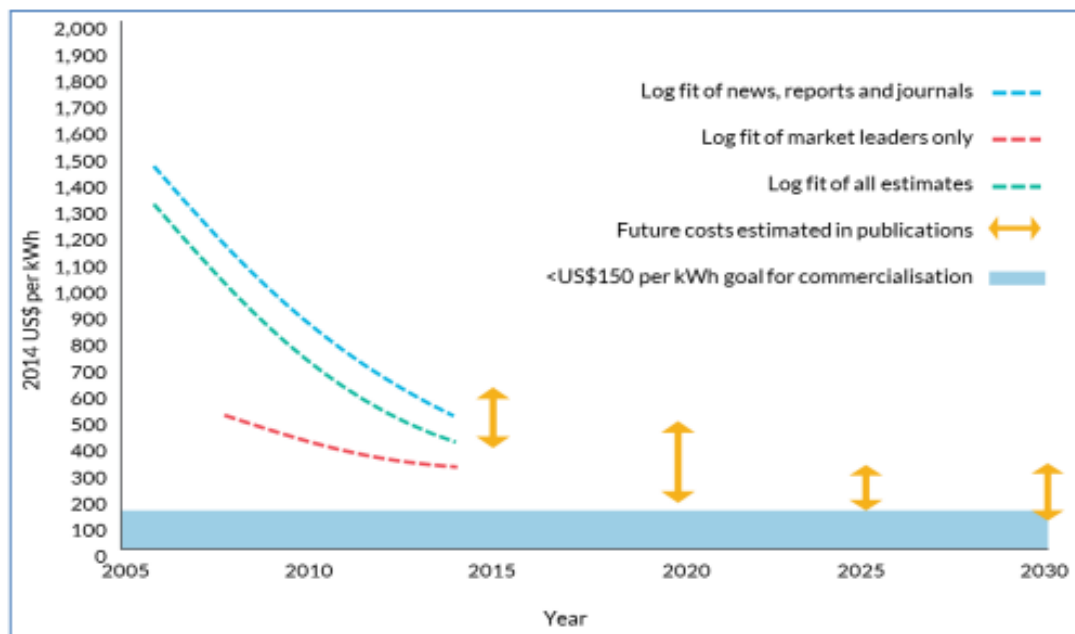


FIGURE 79: TREND OF LITHIUM-ION BATTERY PRICES AND FUTURE PRICE PREDICTIONS.

SOURCE: (Global Green Growth Institute, 2015)

6.2.5.3 Life-cycle costs

Life-cycle costs refers to the total cost of ownership over the life of an asset. Life-cycle costs consider not only the investment costs for a new bus, but also account for the long-term costs such as costs for operation and maintenance. The life-cycle costs of an electric bus as well as the life-cycle costs of a diesel bus were calculated, allowing for a fair comparison between conventional buses and electric buses. The costs were calculated using a life cycle cost calculation program developed by RWTH Aachen University (RWTH Aachen University, 2018). The costs for electric bus include capital costs for vehicle, battery and charging stations as well as running costs (energy costs, maintenance). The costs for diesel bus include capital costs for vehicle and running costs for diesel and maintenance.

The life-cycle costs were calculated specifically for the mileage and the amount of needed charging infrastructure of the BRT in Rajkot. For all other parameters, such as investment

costs, inflation rate, expected operating life time, diesel costs, fuel consumption etc. assumptions were made that are realistic for a West-European context. For an adaption to Indian context, life-cycle costs are analysed by using a price index. By using a price index, statements about the absolute life-cycle costs can't be derived. However, the relative costs of a diesel bus vs. an electric bus can be compared. In Figure 80, Figure 81 and Figure 82, a price index of 100 reflects the price of an electric bus for the first year. The lifetime of an electric bus was assumed to be 15 years.

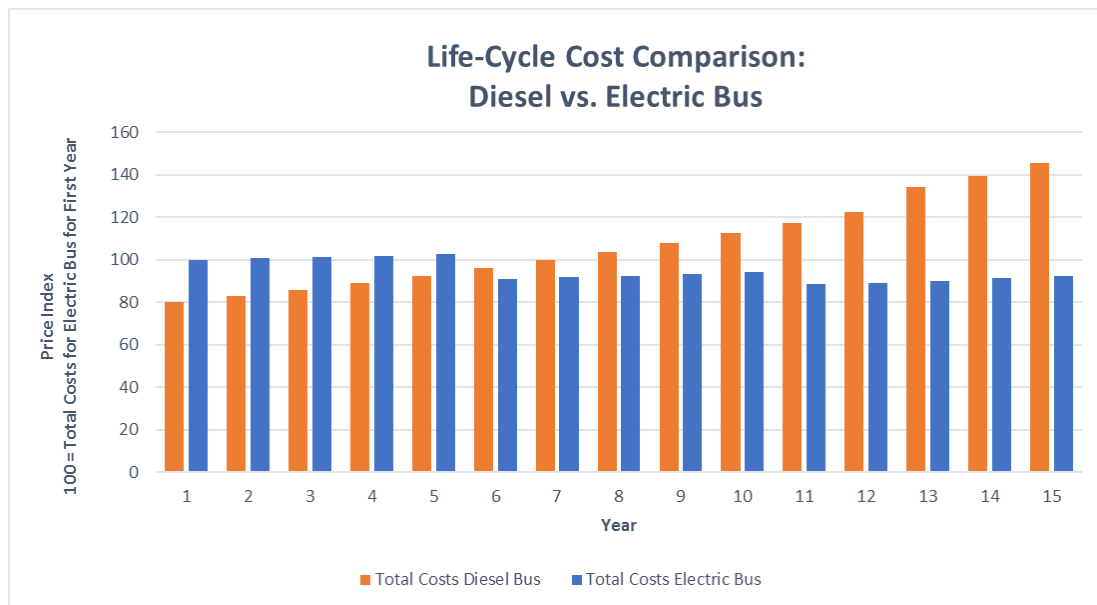


FIGURE 80: LIFE-CYCLE COST COMPARISON - DIESEL VS. ELECTRIC BUS.

SOURCE CALCULATION PROGRAM: (RWTH Aachen University, 2018)

The figure shows, that the life-cycle costs of an electric bus are lower than the life-cycle costs of a diesel bus. The break-even of electric bus with respect to diesel is reached after 9 years. This corresponds approximately with a study of the Global Green Growth Institute, which states that for India, electric buses can break even with respect to diesel buses in 10-14 years due to lower running costs (Global Green Growth Institute, 2015). The difference can be explained as the price differences regarding investment costs between diesel buses and electric buses are lower in high-priced markets such as Europe or North America and higher in low-priced markets such as China or India.

To better understand the cost differences, the cost-components of diesel buses or electric buses respectively were further analysed.

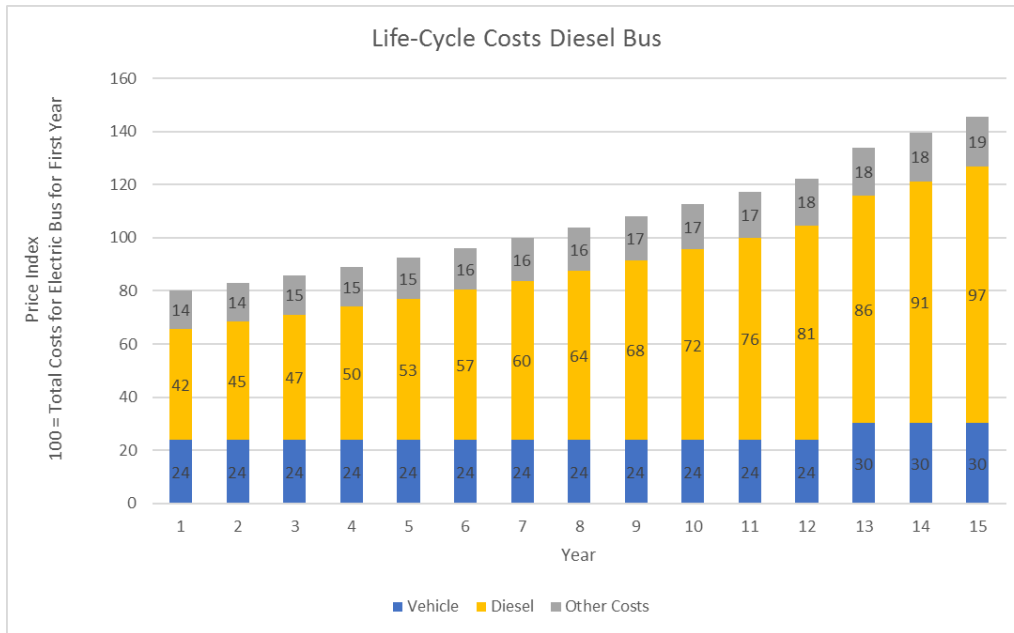


FIGURE 81: LIFE-CYCLE COSTS DIESEL BUS.

Source calculation program: (RWTH Aachen University, 2018)

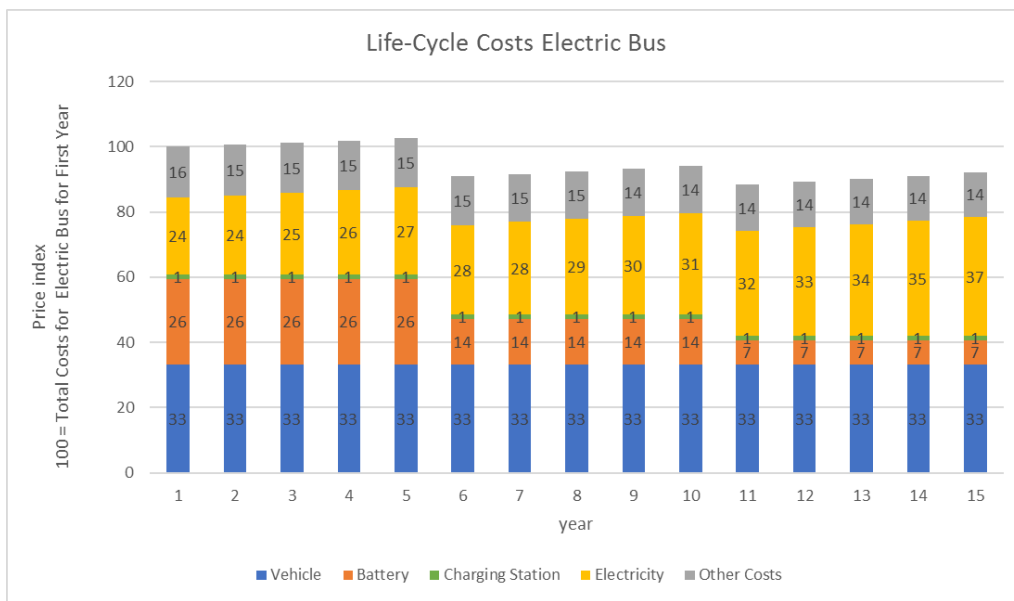


FIGURE 82: LIFE-CYCLE COSTS ELECTRIC BUS

Source calculation program: (RWTH Aachen University, 2018)

1. The biggest cost component for diesel buses are the diesel costs. As shown, costs for diesel increase due to increases in diesel price.
2. The biggest cost components for an electric bus are the vehicle costs, the battery costs and the electricity costs.
3. The current vehicle costs of electric buses are expected to be considerably higher than the vehicle costs of diesel buses (see chapter 6.2.5.1). However, as the case with battery costs, also the vehicle costs of electric buses can be expected to decrease soon due to economies of scale and the possible manufacturing of electric buses in India.

4. The life time of batteries was assumed to be five years. It should be noted, that the costs for the second and third battery are considerably lower since cost reduction are to be expected for batteries (see chapter 6.2.5.2).
5. Electricity costs on the other hand are rising, due to expected price increases for electricity.

Maintenance costs of electric buses are initially slightly higher than maintenance costs for diesel buses. But the maintenance costs for electric buses fall due to less maintenance-intensive components (no gear, no oil change, less vibration, less brake dust, etc.) The savings in maintenance costs of electric buses when compared to conventional buses have also been stated in other studies (California Air resources Board, 2016).

6.3 Implementation Strategy for Electrification of BRTS

6.3.1 General aspects

The technical study provides extensive data and an indepth-analysis of the public transportation system (BRT and City Bus) as well as of the relevant means and modes for last-mile-connectivity. The data shows clearly that improvement measures to facilitate the direct access and the transfer to the BRT-system has the potential to double today's BRTS-demand within the next ten years. The BRT-corridor with an actual passenger demand of appr. 20'000 Pax/d has thus established itself as the backbone of the public transportation in Rajkot in the few years of its operation and possesses at the same time the capacity and the portential to further increase its modal share.

With this said the key elements in the strategic development of the public transportation system in the near future should rest on the following strategic pillars:

1. Continuous improvements of last-mile-connectivity for NMT to strengthen the BRTS
 - Walking is the predominant last-mile-connectivity mode with a share of over 70%. Com-pared hereto, the bicycle share seems quite low with 2%, however the potential shown in the technical study is quite substantial.
 - Measures of improvement for walkways and bicyle-routes in terms of attractiveness, safety and direct and short distances with minmal time-loss are recommended.
 - The already existing cycle sharing project on four key locations is a very promising approach which should be consequently pursued and expanded.
2. Improving the interconnectivity (and last mile) between RMTS-BRTS
 - RMTS-Buses are with a 10% share the second important feeder to the BRTS. The RMTS-network with its 31 crossing-points with the BRT-corridor is destined to play an important role in accessing the potential demand calculated in the technical study.
 - Attractive junctions with short and safe walkways between RMTS- and BRTS-stations and minimal waiting-times are key factors.
 - The suggested and designed opening of the BRT-corridor to RMTS-Buses as layed out in the technical study would improve the system-transfer ideally, yet further studies on this aspect seem to be necessary, namely in terms of costs for platform adjustments and especially from an operational point of view: The capacity of the BRT-corridor in terms of vehicles and head-ways is not endless and the survey in the technical study has shown that high-speed and low-journey time is the most attractive factor of the BRTS which should not be compromised. An uncontrolled opening to RMTS-Buses could possibly lead to capacity problems and self-constraints between Buses operating in the BRT-corridor, which could diminish its attractiveness. A careful analysis hereto is recommended.

3. Expanding the BRT-Corridor

- The continuous expansion of the BRTS on basis of the BRTS Network Plan is recommended for the following reasons: (1) A completion of the network, especially of the Blue Corridor, appears promising in order to access substantial demand potentials directly due to the predominant share of “walking” as feeder mode; (2) Interconnectivity of the public transport network and between RMTS and BRTS is thus further improved; (3) Circular courses may allow for operational optimisations in terms of flexibility and reliability.
- Of course careful cost benefit calculations considering construction, fleet expansion, depot and personnel requirements need to be assessed.

4. Electrification of BRTS and feeder modes

- The potential of electric mobility and specifically the prefeasibility of electrification of the BRT-Buses was also explored in the technical study. The analysis of electrifying the modes other than Buses showed a few models and examples in terms of strategies, requirements, incentives and promotion of e-mobility. The respective potential for Rajkot namely for E-Rickshaws for all trips or as feeder to the BRTS is substantial and recommendations for public bodies to provide an attractive environment for promoting the transition process are stated in the technical study.
- The following sub-chapters concentrate on key aspects and findings related to the electrification of the BRT-corridor, since this was a main goal of the technical study.

6.3.2 Scenarios of transitioning from ICE to Electrification

6.3.2.1 Main components and aims for transition

Given the assumption that the current ICE-based BRTS is planned to be entirely replaced by an electrified BRTS, several scenarios of a transitioning process are possible considering the fact that the “system” BRT consists of interacting components. The main components that need to be migrated are:

- Bus-Fleet including charging infrastructure (and necessary power supply)
- Depot and maintenance facilities and equipment
- Maintenance staff (technical)
- Operating staff (drivers)

Concerning the staff, specific training in maintenance and driving techniques is necessary and possibly additional personnel is required in the field of electro-technics. For the Bus-Fleet and charging infrastructure as well as for the maintenance facilities, sufficient space and technical installations need to be provided. Possible layouts in the existing depot are to be specifically designed in order to establish the feasibility. Special attention should be given to safety requirements during maintenance since the work is done in a high current / voltage environment.

The transitioning process should further consider the following aims:

- The duration of a parallel operated fleet (partly ICE and partly E-buses) should be minimized in order to keep the transitioning costs low (especially maintenance infrastructure),
- Ensuring a maximum of reliability for customers during the transition (no operating failures),
- Maintaining a fallback in case of initial deficiencies with new rolling-stock.

6.3.2.2 Scenarios and simultaneous operation of ICE- and E-Buses

Theoretically several scenarios of transitioning are thinkable, such as

- Straight replacement of entire fleet and infrastructure combined with intensive training of staff,
- Partial replacement (in one or more steps over time) of fleet and continuous replacement of maintenance infrastructure,
- Long term simultaneous operation of two fleets including maintenance using synergies with (ICE-)Buses of RMTS fleet.

The actual plan and intention of RMC to procure 6 E-Buses via Airport Authority funding in the short term narrows the possible scenarios down to a simultaneous operation of two fleets. Considering the above aims, the reliability for customers and the fallback in case of initial deficiencies are well fulfilled at the expense of higher transitioning costs. These however should be put into perspective to the additional benefits such as gaining experience and establishing know-how in the field of electric mobility, which will be helpful (and necessary) in the long-term development (planned replacement of entire bus-fleet including RMTS).

6.3.2.3 Bus-Fleet management plan

An additional 6 E-Buses in operation will raise the question whether or not or what number of existing ICE-Buses should be sorted out. Available space (see ch. 6.2.1), increasing passenger demand (also due to the recommended improvements of last mile connectivity) and remaining life-span of existing buses are key criteria to be considered. In any case it is recommended to develop and establish a Bus-Fleet management plan which should cover the next ten to fifteen years and detail the next transitioning stages and milestones. An active involvement of the current GCC in this process could be considered.

6.3.3 Options for Procurement

The BRTS is currently operated by a Gross Cost Contractor where as RMTS is operated under a Net Cost Contract. Gross and Net Cost Contracts are the most commonly used types of contracts in urban bus transport as the following figures show.

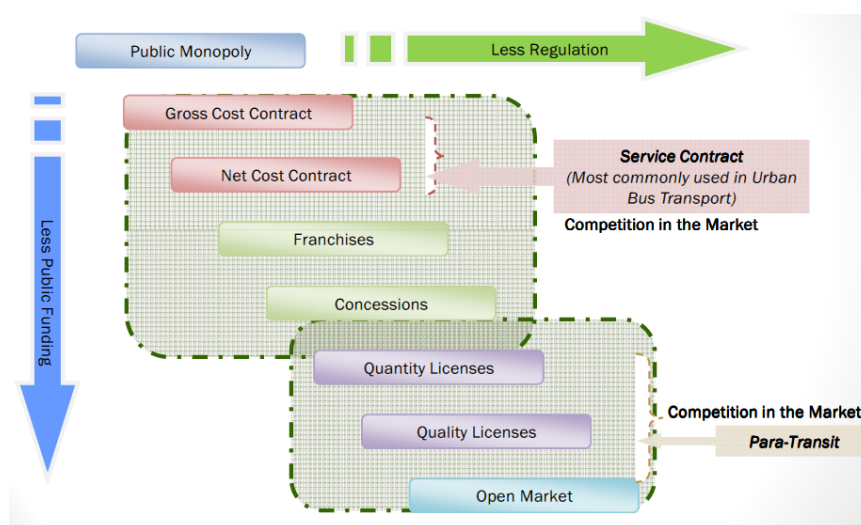


FIGURE 83: TYPES OF CONTRACT

To each type of contract there are pros and cons, which are well known in theory and from real-world experience and shall not be elaborated further at this point.

The recent DHI-procurement of E-Buses, -Taxis and -Autos in 11 Indian Cities in December 2017 has been evaluated in a UITP-report (UITP, 2018). The DHI allowed hereby only two procurement methods: Outright Purchase or Gross Cost Contract (GCC). The reason for DHI to limit the procurement methods are assumed to be quite pragmatic: Cities operating their existing Buses already under a GCC and planning to integrate the E-Buses in the existing GCC would most likely choose the Outright Purchase procurement. Whereas Cities planning to operate the E-Buses independently or not having a current Bus-fleet at all should choose the (widespread) and well-established GCC-method.

Based on the assessment of existing BRT System and financial implication of procurement of electric buses, Gross cost contract (GCC) model is comparatively beneficial for Rajkot to operationalise electric buses. If the current GCC is willing and capable to operate and maintain the additional 5 E-Buses (and charging stations) as well, it is recommended to continue with this model. In the GCC model a private operator is paid to operate a minimum number of kilometers of public transport services over the life of a contract anywhere directed by the Rajkot Rajpath limited (RRL). Some key advantages of proposed model:

- Establish a sustainable mode to constantly test the market to achieve the lowest cost
- Ensures good service coverage
- Ensures efficiency in bus operations
- Makes for compatibility with off-board fare collection and free transfers

Makes it easier to have multiple companies in the same zone, so the operator is less entrenched.

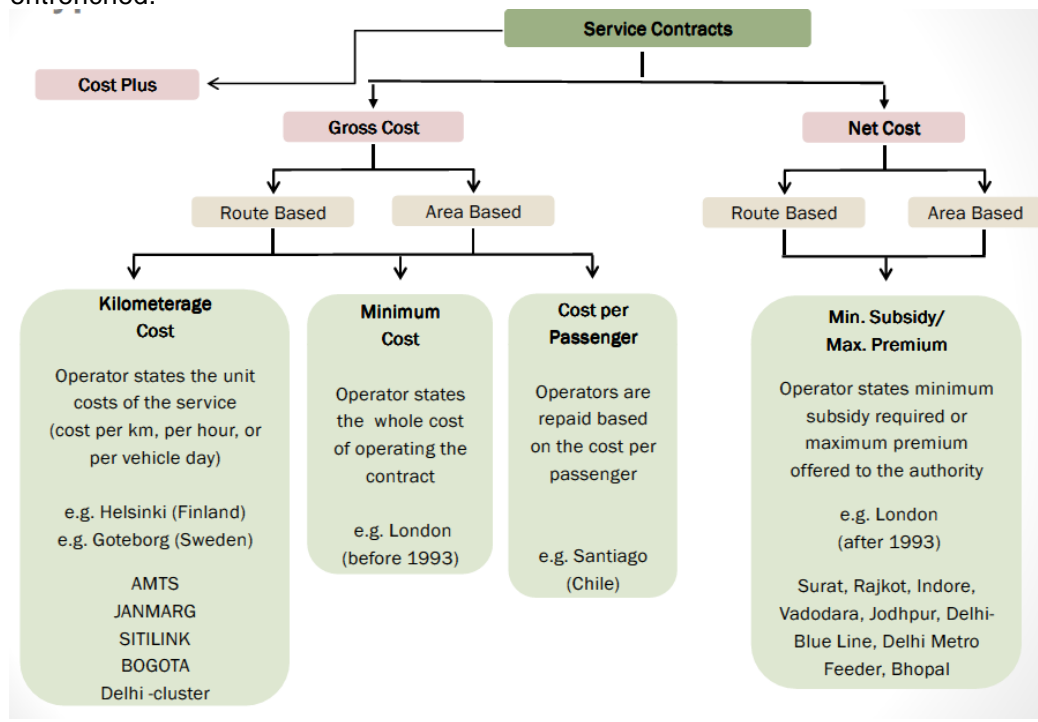


FIGURE 84: TYPES OF CONTRACT (2)

6.3.4 Risk factors for EV / E-Bus

Introducing new systems and technologies always contain certain risks, however the wide-spread experience of procuring, operating and maintaining EV's generally and E-Buses specifically in Indian cities and worldwide appears to bear only little technological risks.

The risk factors related to the electrification of the BRT-corridor can be downsized to a project level. The main risks could possibly be identified in the lack of real-world experience with electric mobility (RMC and GCC) and thus in elevated costs for training and education.

Further possible risks have been already mentioned such as safety issues in the maintenance environment (electric currents and high voltage) or higher costs due to the simultaneous operation of two Bus-fleets.

It is recommended that an adequate risk analysis (including effective measures) and a risk management is established on a project basis.

6.3.5 Possibility of charging infrastructure (along existing corridor)

The various charging strategies and options related to an electrified BRT-fleet and -Operation are laid out in the technical study. It was shown that the autonomy of existing Bus-types (range over 250 km) would well meet the requirements of today's operation and that an overnight charging strategy at the depot appears feasible. Therefore additional charging infrastructure for BRT-operation along the corridor is basically not necessary. In view of the planned procurement of 6 E-Buses including charging infrastructure on grounds of an outright purchase, it is however recommended that the overall charging system be analysed further in search of optimisations in the short- and longterm-perspective. Additional Fast-Charging stations (1 or 2) at the terminal stations/depot could allow to lower the requirements for minimal autonomy of the Buses and thus obtain better procurement results (see also 6.3.7.1 below).

Improvements of the last-mile-connectivity as outlined in the technical study could lead to a higher share of auto rickshaws and bicycles as feeder modes to the BRTS. Electrification of rickshaws (E-rickshaws) is an ongoing trend in Indian cities and charging stations for E-rickshaws near BRT-hubs (e.g. combined with parking facilities for bicycles and rickshaws) could be an interesting option (also in terms of promotion). Public charging stations with electronic access and payment are well established systems. Since there is no reliable data on a possible demand of public charging stations, it is recommended to test the acceptance of such a system on a pilot basis.

6.3.6 EIA of real world performance of EV-fleets compared to fossil fuel fleets in Rajkot

The impacts on the environment in terms of CO₂ – savings are mentioned in the technical study. If the used electricity is drawn from renewable CO₂-free energy sources, the CO₂ savings of the BRT-electrification are ca. 100 kg CO₂ / a and vehicle or roughly 1 t CO₂ / a for the entire fleet (RWTH Aachen 2018). Besides the CO₂ savings, there are also health benefits due to less air pollution and less noise.

6.3.7 Technical specifications for E-Buses and charging stations

RMC is planning to procure 6 E-Buses for the BRT-Corridor via Airport Authority funding in the short-term. Without detailed knowledge of the specific requirements and ongoing /intended processes it is hardly possible to provide focused inputs, yet some recommendations shall be given in order to contribute to a successful procurement.

6.3.7.1 Coordinated procurement of Buses and Charging Stations

It is highly recommended to procure the 6 Buses in close coordination with the necessary Charging Stations in order to ensure full compatibility. Respective specifications and requirements should be formulated in the Tender-Book for the Buses.

The number of necessary Charging Stations needs to be determined. There is an immediate dependency between the autonomy of Buses asked for (range in km) and the number/types of Charging Stations to be procured. Therefore it is recommended to specifically plan and design the overall Charging System before starting the procurement.

For the BRTS in Rajkot the daily autonomy of 200 – 250 km per Bus is required. In case that Fast-Charging at the terminal stations is possible (from a purely operational point of view), e.g. 5 – 10 min, then the minimum autonomy of the procured Buses could be lowered and thus better competition in the procurement could be obtained. If Fast-Charging en route is not possible, the required Bus autonomy must be 200 – 250 km/day with overnight Charging. The number of Charging Stations required is therefore at minimum 6 (Standard) and possibly 1 or 2 additional Fast Chargers.

6.3.7.2 Tender-Book

The resulting quality of the procurement is crucially dependent on the quality of the Tender-Book. It is highly recommended to pay full attention to the elaboration of the Tender-Book and to specify and detail all necessary requirements in terms of Technical Specifications, Compliance with Regulations and Standards, Guarantees and Warranties, Rules for verifying the Quality, Processes and Checks of Delivery, Training of Staff etc.

6.3.7.3 Technical Specifications

Annexures 8.19 provides suggested technical specifications that need to be defined and included in the Tender-Book.

7 Next Steps

Based on the data collected as a part of this study (Chapter 3), a complete picture of potential feeder modes for BRT in Rajkot has been created. This has been presented in Chapter 4 and Chapter 5 above. The study uses data a host of secondary data and data collected from more than 1000 responses of O-D surveys conducted around the corridor, to generate an areawise (or zonewise) understanding of number of trips that may be shifted to BRT using one or more of the six potential feeder modes - i.e. passenger trips shifting to BRT from the said zones or areas after introduction of feeder modes serving those zones or areas in the city. Of these six feeder modes five have been found to have potential to attract passenger trips in favour of BRT (Section 5.3). Using the understanding generated from models run to estimate potential mode shift in favour of BRT (after introduction of the said feeder modes), a feeder Network and Integration plan has been proposed for Rajkot BRTS (Section 5.3). It is estimated that if the proposed feeder network and its integration plan is implemented, a total of 3796 daily passenger trips will be added to BRT in this year, 5284 in 2023 and 7567 in 2028 (Section 5.4). In order to achieve this the following next steps need to be planned and undertaken:

1. Rajkot city has already conducted studies on the bicycle sharing system. This system coupled with high quality, dedicated bicycle infrastructure has a high potential for attracting passenger trips in favour of BRT (Section 5.3.1). The city should implement the bicycle sharing plans in a phased manner starting from areas around the Raiya Road, University Road, Kalawad Road and the core area around Moti Tanki Chowk (Section 5.3.1).
2. High quality pedestrian and cyclist infrastructure is key to ensure that these modes serve as an efficient feeder to BRT. The study has identified the road network surrounding the core area of Moti Tanki Chowk, along with Raiya Road, University Road and Portions of Kalawad Road for upgradation in order to accommodate a high quality pedestrian and cyclist infrastructure (Section 5.3.1). The planning and implementation of this development should be taken up on priority. This can also dovetail with the proposed planning for BRT network extension on Raiya Road and Kalawad Road.
3. One of the boundary conditions identified in the study for sustained usage of proposed pedestrian and bicyclist network, is institutional and regulatory control on parking on these streets. Like in other cities Rajkot stands to gain by putting in place an over arching parking policy and parking enforcement structure. This is not only in terms ensuring the efficiency of the feeder network but also in terms of shifting passenger trips out of inefficient private modes, and to achieve a city-wide prevention of encroachment of public spaces meant for pedestrians and other purposes. Thus Rajkot should start discussing the framework of the city parking policy as well the details of an enforcement plan.
4. The study identifies that RMTS can serve as an effective feeder to BRTS if the changeover time and cost is eliminated (Refer Chapter 4 and Section 5.3). This is possible if BRTS routes are expanded and the additional routes can link important O-D in the city via the BRT corridor. Two such routes have been identified, along with fleet and operational requirements of the same, in current year, in 2023 and in 2028

(Section 5.3.2). Introducing these routes requires planning extension to the current BRT stations. This extension is also required to accommodate additional fleet of BRTS buses required to accommodate passenger trips attracted by proposed feeder network. The city should initiate detailed operational and service planning of these routes.

5. As a long term strategy, it is recommended that regulation and planning of both RRL and RMTS operations should be integrated. With introduction of Hybrid routes, this becomes even more important. Thus the city needs to initiate a dialogue for the development of road map towards integration of RRL and RMTS as an overarching regulator of all public mode of urban transport in the city.
6. Eight, RMTS routes have been recognised with a high potential to serve as feeder to BRT, provided their stops are integrated with BRTS stations and the waiting time for passengers on the routes is reduced (Section 5.3.3). The city should initiate conduct studies to look at feasibility of increasing services (adding more fleet) on these routes.
7. Higher efficiency of BRTS services, lower delay (as well higher safety) for BRTS commuters, easier changeover between RMTS as well as Cycle sharing network and BRTS, are all the benefits in favour of attracting more commuters to BRTS, that can be realized improving the current BRTS junctions. The suggested improvements include, signalization (for pedestrians or buses), planned areas for bicycle parking at intersections, countinuous pedestrian paths and cycle infrastructure at junctions, good quality pedestrian connectivity between RMTS and BRTS stations, etc. The city may also initiate redevelopment of 9 identified intersections on BRT corridor, along with atleast 100m length of the cross roads to incorporate these improvements (Section 5.3.1 and Section 5.3.3).
8. The study has identified a ring corridor (around BRTS) linking University Road and Raiya road with the highest potential to attract commuters to BRT through the use of E-rickshaw (Section 5.3.4). The city may intiate discussion on a regulatory mechanism for e-rickshaw in order to initiate deployment of the same on the identified corridor. The regulatory and institutional mechanism is intended to finalize mechanism for permit allocation, route allocation, fare structure, etc.
9. It is estimated that the post the development of feeder network as proposed by this study (Section 5.3), an increase in daily ridership of BRTS can be expected, provided the system has the capacity to carry these additional commuters (Section 5.4). Thus an additional fleet requirement of 2 buses in 2018, 5 in 2023 and 10 in 2018 (taking the total fleet size to 21 in 2018) is expected (Section 5.4). The city thus needs to initiate the expansion of its BRTS fleet in line with the rollout of the BRTS feeder network development in the city. Part of this expansion has already been initiated. The city is in the advanced stages of inducting 5, 12m electric buses on the BRT network.
10. It is understood that there is significant potential of, and benefits to be reaped in using electric buses for the proposed two hybrid BRTS routes (Section 5.3.1 and Section 6.2). Similarly gradual shift of BRTS buses from Diesel to electric technology is also anticipated to reap similar benefits (Section 5.4 and Section 6.2). There is thus a clear potential in using the bus based public transport in the city as the starting point for electric mobility journey in Rajkot. In order to achieve this the city should initiate

development of policy and regulatory framework as well long term road map for electric mobility.

11. As a first step towards electrification of mobility in Rajkot, it is suggested that the additional buses to be procured to cater to increased demand on BRT – as a result of introduction of the proposed feeder network – be electric. It is also suggested that the two hybrid BRTS routes proposed in this study be operated by primarily electric midi bus fleet.
12. It is recommended that daily autonomy requirement of buses may be considered to be reduced by providing fast charging stations at the two ends (terminating points) of each route, while standard chargers numbering approximately 50% of the total fleet of buses may be provided for overnight charging at the depots.
13. Requirement to induct additional vehicles in the current year has been generated in order to capture additional passenger demand in favour of BRT and other modes such as RMTS. The city has an immediate requirement to induct 11 e rickshaw and 29 buses. Of these 29 buses, induction process of 5, 12m electric buses has been initiated. Of the remaining 24 buses, 6 midi electric buses (to be used on Hybrid/Mix BRT routes) and 18 midi diesel buses (to be added to the fleet size of 8 existing RMTS routes) need to be inducted in the immediate phase. This will increase the total fleet size on the proposed BRT network to 22 buses. Of these 13 (5 new, 12m electric and 8 existing, 12m diesel) buses shall operate on the trunk BRT route while 9 (3 existing, 12m diesel buses – shifted from trunk BRT corridor, and 6 new, 9m midi electric) buses shall operate on the two proposed hybrid/mix BRT routes.

8 Annexure

8.1 Per day boarding & alighting and Route serves by each RMTS bus stops

| Bus Stop | Boarding | Alighting | Total | No. of Route |
|-------------------------------------|----------|-----------|-------|--------------|
| 131 SLUM QUATER | 0 | 21 | 21 | 1 |
| 150 FEET JAMNAGAR ROAD CROSSING | 7 | 21 | 28 | 3 |
| 50 FEET ROAD CROSSING | 49 | 11 | 60 | 3 |
| 53 QUARTER | 0.00 | 0.7 | 0.7 | 1 |
| A.G. SOCIETY | 75 | 50 | 125 | 2 |
| A.V. JASANI T.B. HOSPITAL | 0 | 1 | 1 | 1 |
| AAJI DEM | 107 | 58 | 165 | 3 |
| AAJI G.I.D.C | 30 | 20 | 50 | 3 |
| AALAP HERITAGE | 1 | 6 | 7 | 1 |
| ADITYA PARK | 0 | 2 | 2 | 1 |
| AFRICA COLONY | 18 | 58 | 76 | 1 |
| AKASHVANI CHOWK | 92 | 55 | 147 | 5 |
| AKSHAR NAGAR | 12 | 53 | 65 | 2 |
| AKSHAR VATIKA (MAVDI) | 0 | 22 | 22 | 1 |
| ALAP GREEN CITY | 94 | 0 | 94 | 2 |
| ALAY PARK | 1 | 31 | 32 | 2 |
| ALKAPURI | 37 | 48 | 85 | 3 |
| AMBAJI KADAVA PLOT | 13 | 5 | 18 | 2 |
| AMBEDKAR CHOWK | 3 | 26 | 29 | 2 |
| AMBICA TOWNSHIP | 0 | 38 | 38 | 3 |
| AMIN MARG AKSHAR MARG ROAD CROSSING | 12 | 15 | 27 | 1 |
| AMIN MARG CIVIC CENTER | 5 | 5 | 11 | 1 |
| AMIN MARG CROSSING | 7 | 9 | 15 | 1 |
| AMRAPALI FATAK | 118 | 94 | 212 | 3 |
| ANAND BANGLA CHOWK | 78 | 73 | 151 | 4 |
| ARYA LAND RESI. | 0 | 1 | 1 | 1 |
| ARYA NAGAR- PEDAK ROAD | 5 | 21 | 26 | 1 |
| ARYA SAMAJ | 201 | 166 | 367 | 15 |
| ASHAPURA MANDIR | 26 | 0 | 26 | 1 |
| ASHOK GARDAN | 5 | 22 | 26 | 1 |
| ASTHA GREEN CITY | 9 | 48 | 57 | 3 |
| ASTHA RECIDENCY | 59 | 51 | 110 | 5 |
| ASTRON CHOK | 151 | 74 | 225 | 8 |
| ASTRON SOCIETY | 8 | 9 | 17 | 1 |
| ATMIYA COLLAGE / CENTRAL SCHOOL | 124 | 140 | 264 | 5 |
| AV JASANI TB HOSPITAL | 3 | 8 | 11 | 2 |
| AZAD CHOWK | 32 | 19 | 51 | 3 |
| B.T. SAVANI HOSPITAL | 96 | 78 | 174 | 3 |
| BAHUMADI BHAVAN | 33 | 36 | 69 | 2 |
| BAJARANG VADI CIRCLE | 65 | 209 | 274 | 4 |

| Bus Stop | Boarding | Alighting | Total | No. of Route |
|-----------------------------------|----------|-----------|-------|--------------|
| BAJRANG WADI | 16 | 39 | 55 | 4 |
| BALAJI ESTATE | 39 | 47 | 86 | 2 |
| BALAJI PARK / SATELLITE PARK | 37 | 14 | 51 | 2 |
| BAPA SITARAM CHOWK | 211 | 37 | 248 | 4 |
| BAPU NAGAR | 12 | 5 | 17 | 1 |
| BEDI GAAM | 9 | 40 | 49 | 3 |
| BEDI MARKETING YARD | 21 | 55 | 76 | 3 |
| BHAGIRATH SOCITY | 0 | 9 | 9 | 1 |
| BHAGVATI PARA POLICE STATION | 56 | 2 | 58 | 1 |
| BHAGVATI PARA (JAI PRAKASH NAGAR) | 15 | 0 | 16 | 1 |
| BHAGVATIVATI PARA STREET NO.-9 | 31 | 5 | 36 | 1 |
| BHAKTI NAGAR | 19 | 13 | 32 | 1 |
| BHAKTI NAGAR CIRCLE | 236 | 57 | 293 | 7 |
| BHAKTI NAGAR STATION | 10 | 22 | 32 | 2 |
| BHAKTI PARK | 10 | 0 | 10 | 1 |
| BHARAD ENGG. COLLEGE | 1 | 104 | 105 | 2 |
| BHIMRAO NAGAR | 20 | 60 | 80 | 3 |
| BHOMESHWAR | 78 | 157 | 235 | 4 |
| BOMBE HOTEL | 50 | 38 | 88 | 3 |
| BRAHM SAMAJ | 30 | 35 | 65 | 4 |
| BT SAVANI HOSPITAL | 67 | 12 | 79 | 3 |
| CENTRAL WARE HOUSE | 34 | 29 | 63 | 2 |
| CHAMPAK NAGAR - PANI NO GHODO | 5 | 15 | 21 | 1 |
| CHANDRANAGAR MARKET | 7 | 37 | 44 | 1 |
| CHANDRESH NAGAR | 9 | 3 | 12 | 1 |
| CHAUDHARI SCHOOL | 10 | 54 | 64 | 2 |
| CHITRA LEKHA CHOWK | 69 | 41 | 110 | 5 |
| CHUNARAVAD | 21 | 1 | 22 | 1 |
| CITYLIGHT PARTY PLOT | 11 | 0 | 11 | 1 |
| CIVIL COURT CHOWK | 59 | 47 | 106 | 2 |
| COSMOPLEX CINEMA | 59 | 27 | 86 | 2 |
| CRYSTAL MALL | 60 | 87 | 147 | 4 |
| D.H. COLLEGE | 14 | 17 | 31 | 1 |
| DEVPARA | 78 | 12 | 90 | 3 |
| DH COLLEGE | 39 | 10 | 49 | 2 |
| DOSHI HOSPITAL | 54 | 14 | 68 | 2 |
| DREAM CITY | 20 | 13 | 33 | 2 |
| DUDHESHWER MAHADEV | 2 | 42 | 44 | 1 |
| EVEREST PARK | 61 | 26 | 87 | 2 |
| FIELD MARSHAL CHOWK | 32 | 28 | 60 | 3 |
| FULCHAB CHOWK | 89 | 26 | 115 | 5 |
| FULIA HANUMAN MANDIR | 85 | 47 | 132 | 3 |
| FULWADI PARK | 6 | 90 | 96 | 1 |
| GADHIYA NAGAR | 0 | 32 | 32 | 1 |
| GANGOTRI PARK | 0 | 48 | 48 | 1 |
| GAURIDAD | 0 | 66 | 66 | 3 |

| Bus Stop | Boarding | Alighting | Total | No. of Route |
|--------------------------------|----------|-----------|-------|--------------|
| GAYATRI DHAAM | 18 | 23 | 41 | 4 |
| G-COMPANY SRP | 77 | 0 | 77 | 1 |
| GETCO CHOWKDI | 24 | 0 | 24 | 1 |
| GHANSHYAM NAGAR / NANDA HALL | 17 | 2 | 20 | 1 |
| GHANTESHWAR GAAM | 55 | 10 | 65 | 3 |
| GHANTESHWAR PARK | 14 | 15 | 29 | 3 |
| GHANTESHWAR SRP CAMP | 192 | 20 | 212 | 4 |
| GIDC GATE-1 | 1 | 183 | 184 | 3 |
| GIT GUJRI CROSSING | 3 | 19 | 23 | 1 |
| GITA NAGAR / P & T COLONY | 25 | 4 | 29 | 2 |
| GOKUL NAGAR APPROACH | 7 | 8 | 15 | 2 |
| GOKUL PARK | 46 | 3 | 49 | 2 |
| GOKULDHAM | 7 | 14 | 21 | 2 |
| GOLDEN PARK | 0 | 23 | 23 | 1 |
| GONDAL CHOWKDI | 101 | 52 | 153 | 4 |
| GOPAL NAGAR CHORO | 14 | 11 | 25 | 3 |
| GOUTAM NAGAR | 14 | 7 | 20 | 1 |
| GOUTAMBUDH NAGAR | 9 | 0 | 9 | 1 |
| GOVANI HOSTEL | 1 | 41 | 42 | 3 |
| GOVERMENT POLLYTECHNIC | 57 | 76 | 133 | 3 |
| GOVERNMENT ENGINEERING COLLEGE | 178 | 307 | 485 | 2 |
| GOVIND BAUG | 2 | 20 | 22 | 1 |
| GOVIND NAGAR | 52 | 2 | 54 | 2 |
| GRAMUDHYOG MANDIR PEDAK | 0 | 14 | 14 | 1 |
| GRAND CENTRAL MALL | 25 | 55 | 80 | 1 |
| GREENLAND CHOKDI | 197 | 294 | 491 | 5 |
| GUJRAT HOUSING BOARD QUATER | 116 | 0 | 116 | 1 |
| GUNDAVADI POLICE CHOKI | 30 | 5 | 35 | 1 |
| GURUDEV PARK | 58 | 37 | 95 | 4 |
| GURUKUL | 12 | 6 | 18 | 2 |
| GURUPRASAD CHOWK | 1 | 38 | 39 | 2 |
| HANSHRAJ NAGAR | 11 | 23 | 34 | 2 |
| HANUMAN MADHI | 30 | 41 | 71 | 2 |
| HANUMAN MADHI CHOWK | 18 | 23 | 41 | 2 |
| HARIPAR GAAM | 13 | 15 | 27 | 1 |
| HEMU GADHAVI HALL | 134 | 97 | 231 | 8 |
| HINGLAJ NAGAR | 5 | 4 | 9 | 1 |
| HOSHPIAL CHOWK | 270 | 257 | 527 | 17 |
| HUDKO POLICE CHOKI | 131 | 12 | 143 | 3 |
| I.P MISSION SCHOOL | 3 | 37 | 40 | 3 |
| INDIRA CIRCLE | 223 | 181 | 404 | 6 |
| INDRAPRASTH SOCIETY | 15 | 127 | 142 | 3 |
| IOC | 0 | 10 | 10 | 3 |
| IP MISSION | 5 | 10 | 16 | 1 |
| IP MISSION SCHOOL | 37 | 44 | 81 | 5 |
| JAGNATH MANDIR | 21 | 15 | 36 | 2 |

| Bus Stop | Boarding | Alighting | Total | No. of Route |
|--|----------|-----------|-------|--------------|
| JAI JAVAN JAI KISAN SOCIETY | 25 | 43 | 68 | 3 |
| JAI PRAKASH NAGAR SOCITY | 15 | 2 | 17 | 1 |
| JALARAM CHOWK / SANT KABIR ROAD CORNER | 2 | 9 | 11 | 1 |
| JALARAM PLOT | 4 | 34 | 38 | 1 |
| JANAK PURI - AJANTA PARK | 42 | 0 | 42 | 1 |
| JANGLESHWAR CROSSING / BAPUNAGAR | 25 | 10 | 35 | 2 |
| JASANI SCHOOL | 25 | 17 | 42 | 3 |
| JAY GOPAL CHOWK | 0 | 13 | 13 | 1 |
| JILLA GARDEN | 7 | 3 | 10 | 1 |
| JILLA PANCHAYAT CHOWK | 148 | 64 | 212 | 9 |
| JIVAN JYOT SCHOOL | 85 | 71 | 156 | 6 |
| JIVANTIKA MAIN RD CROSSING | 11 | 14 | 25 | 2 |
| JIVRAJ PARK | 0 | 300 | 300 | 4 |
| JOGRANA CHOWK | 1 | 18 | 19 | 2 |
| JUBELI BAUG | 238 | 250 | 488 | 14 |
| JUBELI MARKET | 41 | 1 | 42 | 1 |
| JULELAL MANDIR | 31 | 1 | 32 | 2 |
| JUNCTION POLICE CHOKI | 13 | 39 | 52 | 2 |
| JUNCTION RAILWAY POLICE STATION | 0 | 2 | 2 | 1 |
| JUNCTION RAILWAY STATION | 28 | 29 | 57 | 5 |
| K.K.V. HALL | 124 | 111 | 235 | 5 |
| KADVI BAI | 11 | 17 | 28 | 1 |
| KADVI BAI SCHOOL | 45 | 41 | 86 | 6 |
| KALI PAT | 6 | 58 | 64 | 2 |
| KANKOT- KALAWAD ROAD | 69 | 48 | 117 | 2 |
| KANTA STRI VIKAS GRUH | 88 | 39 | 127 | 7 |
| KASHTURI RESI. | 2 | 14 | 15 | 1 |
| KHOKHAD DAL | 4 | 53 | 57 | 3 |
| KISANPARA CHOWK | 225 | 133 | 358 | 9 |
| KOT YARD | 0 | 9 | 9 | 1 |
| KOTECHA CHOK | 246 | 212 | 458 | 12 |
| KOTHARIYA CHOWKDI | 155 | 1 | 156 | 3 |
| KOTHARIYA COLLONY | 105 | 93 | 198 | 6 |
| KOTHARIYA GAAM | 54 | 5 | 59 | 3 |
| KOTHARIYA HOUSING | 56 | 0 | 56 | 2 |
| KOTHARIYA SOLVANT | 2 | 10 | 12 | 2 |
| KOTHI COMPOUND | 56 | 56 | 112 | 5 |
| KRISHNA BANGLOWS | 7 | 0 | 7 | 1 |
| KRISHNA INT. SCHOOL | 2 | 12 | 14 | 2 |
| LABHUBHAI TRIVEDI ENG.CLG. | 154 | 73 | 227 | 2 |
| LAKH NO BUNGLOW | 4 | 66 | 70 | 2 |
| LAKHESHWER SOCITY - R.T.O. OFFICE | 0 | 22 | 22 | 1 |
| LIC CHOWK / MAHILA COLLAGE CHOWK | 14 | 10 | 24 | 1 |
| LIMBDA CHOWK | 112 | 64 | 176 | 5 |
| MADHAPAR CHOKDI | 66 | 29 | 95 | 5 |
| MADHAPAR GAAM | 36 | 71 | 107 | 4 |

| Bus Stop | Boarding | Alighting | Total | No. of Route |
|--|----------|-----------|-------|--------------|
| MADHAPAR GAAM GATE | 0 | 49 | 49 | 1 |
| MADHUR NAGAR | 4 | 1 | 5 | 1 |
| MAHA PUJA DHAM | 0 | 48 | 48 | 1 |
| MAHAKALI SOCITY | 24 | 0 | 25 | 1 |
| MAHILA COLLAGE CHOWK / LIC OFFICE | 57 | 39 | 96 | 7 |
| MAKAM CHOWK | 83 | 48 | 131 | 8 |
| MALAVIA CHOWK | 230 | 121 | 351 | 9 |
| MANAHARURA (150 FEET RING ROAD) | 3 | 0 | 3 | 1 |
| MARKETING YARD | 4 | 74 | 78 | 2 |
| MARUTI NAGAR | 0 | 93 | 93 | 2 |
| MARUTI NAGAR (SARVODAY HOUSING SOCITY) | 0 | 46 | 46 | 1 |
| MARUTI NAGAR 50 FEET ROAD CHOCK | 41 | 62 | 103 | 5 |
| MARWADI COLLAGE | 1 | 55 | 56 | 3 |
| MAVADI CHOWK | 121 | 42 | 163 | 3 |
| MAVADI FIRE STATION | 89 | 23 | 112 | 3 |
| MAVADI GAAM | 80 | 17 | 97 | 3 |
| MOCHI NAGAR | 8 | 38 | 46 | 2 |
| MOTA MAVA | 54 | 32 | 86 | 2 |
| NAGRIK BANK CHOWK | 12 | 0 | 12 | 1 |
| NANA MAVA CHOWK | 2 | 8 | 10 | 1 |
| NANAVATI CHOCK | 13 | 98 | 111 | 3 |
| NANDA HALL | 44 | 3 | 47 | 2 |
| NARAYAN NAGAR | 11 | 21 | 31 | 1 |
| NEW RAJDEEP SOCITY | 0 | 33 | 33 | 1 |
| NILKANTH CINEMA | 60 | 12 | 72 | 3 |
| OM NAGAR | 0 | 16 | 16 | 1 |
| OM RESIDENCY | 18 | 33 | 51 | 2 |
| P & T COLONY / GITA NAGAR | 65 | 41 | 106 | 3 |
| P.D.M. COLLEGE | 3 | 4 | 7 | 1 |
| PANCHAYAT NAGAR | 148 | 51 | 199 | 7 |
| PANCHSHIL SOCIETY | 119 | 32 | 151 | 6 |
| PANCHSHIL SOCIETY APPROACH ROAD (DALIBAI HOSTEL) | 0 | 18 | 18 | 1 |
| PARDI GAAM | 2 | 30 | 32 | 3 |
| PAREVDI CHOCK | 140 | 113 | 253 | 8 |
| PATEL NAGAR | 0 | 8 | 8 | 1 |
| PATEL WADI | 6 | 26 | 32 | 2 |
| PATIDAR CHOWK | 0 | 19 | 19 | 1 |
| PDM COLLAGE | 73 | 70 | 143 | 6 |
| POLICE HEAD QUATER | 5 | 25 | 30 | 1 |
| POPAT PARA CENTRAL JAIL | 52 | 25 | 77 | 3 |
| POPATPARA | 24 | 14 | 38 | 2 |
| PRADYUMAN PARK | 0 | 70 | 70 | 2 |
| PUNIT NAGAR | 62 | 131 | 193 | 5 |
| PUNIT NAGAR BRTS BUS STOP | 27 | 0 | 27 | 1 |
| PUSHKAR DHAM | 0 | 42 | 42 | 1 |
| R.K. UNIVERSITY | 3 | 77 | 80 | 1 |

| Bus Stop | Boarding | Alighting | Total | No. of Route |
|--|----------|-----------|-------|--------------|
| RADHE PARK / GANGOTRI PARK | 1 | 39 | 40 | 1 |
| RADHIKA PARK | 53 | 0 | 53 | 1 |
| RAIL NAGAR | 1 | 10 | 11 | 1 |
| RAILWAY COLONY | 40 | 61 | 101 | 4 |
| RAIYA CHOKDI | 104 | 135 | 239 | 4 |
| RAIYA GAAM | 133 | 0 | 133 | 2 |
| RAIYA TELEPHONE EXCHANGE | 5 | 14 | 19 | 1 |
| RAIYADHAR SLUM QUARTER | 0 | 159 | 159 | 1 |
| RAJ KAMAL PETROL PUMP | 3 | 2 | 4 | 1 |
| RAJ LAXMI SOCITY | 47 | 0 | 47 | 1 |
| RAJ NAGAR ROAD CROSSING | 25 | 3 | 28 | 2 |
| RAJ SHREE AUTO | 9 | 13 | 22 | 3 |
| RAJKOT DAIRY | 19 | 0 | 19 | 1 |
| RAJKOT MAHANAGAR PALIKA AVAS | 1 | 14 | 15 | 1 |
| RAM KRAUSHNA ASHRAM | 198 | 67 | 265 | 10 |
| RAMAPIR CHOKDI | 8 | 114 | 122 | 3 |
| RAMNATH PARA (B DIVISION POLICE STATION) | 2 | 0 | 2 | 1 |
| RANCHHODDAS ASHRAM | 53 | 52 | 105 | 5 |
| RANGOLI PARK | 57 | 19 | 76 | 2 |
| RANUJA MANDIR | 80 | 0 | 80 | 2 |
| RATANPAR (RAMJI MANDIR) | 0 | 58 | 58 | 2 |
| RATANPAR GAAM | 0 | 65 | 65 | 3 |
| RATANPAR TELEPHONE EXCHANGE | 2 | 19 | 21 | 3 |
| REFUGEE COLONY | 13 | 13 | 26 | 2 |
| RK UNIVERSITY | 1 | 29 | 31 | 1 |
| RUDA OFFICE | 37 | 55 | 92 | 4 |
| RURAL HOUSING | 0 | 22 | 22 | 1 |
| S T BUS STAND | 475 | 309 | 784 | 18 |
| S.T. WORK SHOP | 91 | 11 | 102 | 5 |
| SADHU VASHWANI SCHOOL | 11 | 1 | 13 | 1 |
| SAINIK SOCIETY | 30 | 23 | 53 | 3 |
| SANKALP SIDH PARK | 3 | 3 | 6 | 1 |
| SANTOSHI NAGAR | 0 | 73 | 73 | 1 |
| SARDA BAUG | 9 | 18 | 27 | 1 |
| SARDAR VALLABH VIDHYALAY | 1 | 5 | 6 | 1 |
| SATYA ROAD COROSSING | 25 | 28 | 52 | 1 |
| SATYA SAI HOSPITAL | 6 | 15 | 20 | 1 |
| SATYAM PARK | 20 | 19 | 39 | 1 |
| SATYASAI ROAD CROSSING | 10 | 49 | 60 | |
| SAURASTRA UNIVERSITY | 268 | 374 | 642 | 6 |
| SBI BANK CHOWK | 25 | 35 | 60 | 4 |
| SETELITE CHOWK | 1 | 24 | 25 | 1 |
| SETH HIGH SCHOOL | 59 | 86 | 145 | 6 |
| SETH NAGAR | 40 | 27 | 67 | 2 |
| SHANTI NAGAR | 0 | 20 | 20 | 1 |
| SHAPAR VERAVAL | 0 | 306 | 306 | 3 |

| Bus Stop | Boarding | Alighting | Total | No. of Route |
|---------------------------------------|----------|-----------|-------|--------------|
| SHARDABAG | 3 | 11 | 14 | 1 |
| SHASHTRI NAGAR | 7 | 41 | 48 | 2 |
| SHETH NAGAR | 4 | 0 | 5 | 1 |
| SHITAL PARK | 6 | 11 | 17 | 2 |
| SHIV DAHARA RESIDENCY | 11 | 46 | 57 | 3 |
| SHIV SHAKTI COLONY | 92 | 66 | 158 | 5 |
| SHIVALAY APARTMENT | 6 | 0 | 6 | 1 |
| SHIVAM PARK | 8 | 1 | 9 | 1 |
| SHREE H.N SHUKLA COLLEGE | 0 | 77 | 77 | 2 |
| SHREE RAM PARK | 4 | 3 | 7 | 1 |
| SINCHAI NAGAR | 3 | 3 | 6 | 1 |
| SITLA MATAJI MANDIR | 1 | 90 | 91 | 3 |
| SN SCHOOL | 3 | 9 | 12 | 1 |
| SORATHIYA WADI CIRCLE | 111 | 90 | 201 | 6 |
| SPECIAL SCHOOL FOR BOYS | 16 | 51 | 67 | 4 |
| SREE RANI MA RUDI MA CHOWK | 1 | 24 | 25 | 1 |
| SRP CAMP G COMPANY | 0 | 95 | 95 | 1 |
| SRP CAMP ROAD CROSSING | 2 | 5 | 7 | 11 |
| SURYA MUKHI HANUMAN CHOWK | 6 | 13 | 19 | 2 |
| SWAMI NARAYAN MANDIR / MAHILA COLLEGE | 278 | 233 | 511 | 13 |
| SWAMINARAYAN CHOWK | 33 | 59 | 92 | 4 |
| SWAPNALOK RESIDENCY | 1 | 17 | 17 | 1 |
| SWASHRAY SOCIETY | 18 | 39 | 57 | 2 |
| SWATI SOCITY | 11 | 7 | 18 | 1 |
| THEBACHADA- MAHIKA PATIYU | 4 | 23 | 27 | 2 |
| TRAMBA GAAM | 0 | 132 | 132 | 2 |
| TRIKON BAUG | 1886 | 1603 | 3489 | 27 |
| TRISHUL CHOWK | 1 | 6 | 6 | 1 |
| TULSI BAUG | 1 | 30 | 31 | 1 |
| UMA KANT PANDIT | 9 | 32 | 42 | 1 |
| UMA PTC COLLEGE | 3 | 12 | 15 | 1 |
| VAD VAJDI GAAM | 0 | 22 | 22 | 1 |
| VAGUDAD | 3 | 11 | 14 | 1 |
| VAKANER SOCIETY | 4 | 9 | 13 | 3 |
| VAKANER SOCIETY CORNER | 27 | 53 | 80 | 2 |
| VAMBE AVAS YOJNA | 2 | 40 | 42 | 1 |
| VAVDI GAAM (SCHOOL) | 22 | 0 | 22 | 1 |
| VAVDI GAAM (WORD OFFICE) | 3 | 0 | 3 | 1 |
| VELNATHPARA (SHALA NO 71) | 9 | 31 | 40 | 3 |
| VELNATHPARA (STREET NO 17) | 2 | 9 | 11 | 3 |
| VIMA NU DAVAKHANU | 10 | 0 | 10 | 1 |
| VIRDA VAJDI GAAM | 4 | 15 | 19 | 1 |
| VISHVA NAGAR | 5 | 9 | 14 | 1 |
| VORA SOCIETY | 25 | 64 | 89 | 4 |
| VRI SAVARKARA AVAS CROSSING | 13 | 0 | 13 | 1 |
| VRUKSH MANDIR | 7 | 30 | 37 | 1 |

| Bus Stop | Boarding | Alighting | Total | No. of Route |
|-------------------------|----------|-----------|-------|--------------|
| VRUNDAVAN ROAD CROSSING | 0 | 35 | 35 | 2 |
| VRUNDAVAN SOCIETY | 65 | 80 | 145 | 4 |
| VVP ENGINEERING COLLEGE | 7 | 49 | 55 | 1 |
| WANKANER SOCIETY | 2 | 1 | 3 | 1 |
| WOCKHARDT HOSPITAL | 56 | 62 | 118 | 5 |
| YADUNANDAN CHOWK | 0 | 18 | 18 | 1 |
| ANTANI CHOWK | 7 | 8 | 15 | 1 |
| DANAPITH CHOWK | 11 | 2 | 14 | 1 |

8.2 RMTS Hourly Average Speed of RMTS Buses

| 21-Nov-17 | | | | 21-Nov-17 | | | |
|-----------|---------------|----------------------|---------------------|-----------|---------------|----------------------|---------------------|
| Route No. | Time | Hourly average speed | Daily average speed | Route No. | Time | Hourly average speed | Daily average speed |
| 1 | 06 AM - 07 AM | 21.08 | 19.27 | 3 | 06 AM - 07 AM | 27.83 | 22.61 |
| 1 | 07 AM - 08 AM | 20.10 | 19.27 | 3 | 07 AM - 08 AM | 22.77 | 22.61 |
| 1 | 08 AM - 09 AM | 23.86 | 19.27 | 3 | 08 AM - 09 AM | 23.90 | 22.61 |
| 1 | 09 AM - 10 AM | 22.36 | 19.27 | 3 | 09 AM - 10 AM | 22.01 | 22.61 |
| 1 | 10 AM - 11 AM | 18.63 | 19.27 | 3 | 10 AM - 11 AM | 19.49 | 22.61 |
| 1 | 11 AM - 12 PM | 18.21 | 19.27 | 3 | 11 AM - 12 PM | 22.31 | 22.61 |
| 1 | 12 PM - 01 PM | 19.59 | 19.27 | 3 | 12 PM - 01 PM | 24.26 | 22.61 |
| 1 | 01 PM - 02 PM | 19.83 | 19.27 | 3 | 01 PM - 02 PM | 23.70 | 22.61 |
| 1 | 02 PM - 03 PM | 19.94 | 19.27 | 3 | 02 PM - 03 PM | 23.48 | 22.61 |
| 1 | 03 PM - 04 PM | 24.53 | 19.27 | 3 | 03 PM - 04 PM | 25.76 | 22.61 |
| 1 | 04 PM - 05 PM | 19.00 | 19.27 | 3 | 04 PM - 05 PM | 23.02 | 22.61 |
| 1 | 05 PM - 06 PM | 17.17 | 19.27 | 3 | 05 PM - 06 PM | 20.80 | 22.61 |
| 1 | 06 PM - 07 PM | 16.02 | 19.27 | 3 | 06 PM - 07 PM | 23.25 | 22.61 |
| 1 | 07 PM - 08 PM | 17.95 | 19.27 | 3 | 07 PM - 08 PM | 22.06 | 22.61 |
| 1 | 08 PM - 09 PM | 18.11 | 19.27 | 3 | 08 PM - 09 PM | 21.00 | 22.61 |
| 22-Nov-17 | | | | 22-Nov-17 | | | |
| Route No. | Time | Hourly average speed | Daily average speed | Route No. | Time | Hourly average speed | Daily average speed |
| 1 | 06 AM - 07 AM | 16.50 | 20.06 | 3 | 06 AM - 07 AM | 27.96 | 22.30 |
| 1 | 07 AM - 08 AM | 23.56 | 20.06 | 3 | 07 AM - 08 AM | 24.35 | 22.30 |
| 1 | 08 AM - 09 AM | 21.53 | 20.06 | 3 | 08 AM - 09 AM | 23.00 | 22.30 |
| 1 | 09 AM - 10 AM | 20.00 | 20.06 | 3 | 09 AM - 10 AM | 26.10 | 22.30 |
| 1 | 10 AM - 11 AM | 20.91 | 20.06 | 3 | 10 AM - 11 AM | 18.97 | 22.30 |
| 1 | 11 AM - 12 PM | 18.50 | 20.06 | 3 | 11 AM - 12 PM | 20.67 | 22.30 |
| 1 | 12 PM - 01 PM | 21.95 | 20.06 | 3 | 12 PM - 01 PM | 23.05 | 22.30 |
| 1 | 01 PM - 02 PM | 15.86 | 20.06 | 3 | 01 PM - 02 PM | 21.55 | 22.30 |
| 1 | 02 PM - 03 PM | 17.84 | 20.06 | 3 | 02 PM - 03 PM | 22.72 | 22.30 |
| 1 | 03 PM - 04 PM | 23.96 | 20.06 | 3 | 03 PM - 04 PM | 24.73 | 22.30 |
| 1 | 04 PM - 05 PM | 20.32 | 20.06 | 3 | 04 PM - 05 PM | 21.18 | 22.30 |

| 1 | 05 PM - 06 PM | 19.72 | 20.06 | | 3 | 05 PM - 06 PM | 21.51 | 22.30 |
|------------------|---------------|----------------------|---------------------|--|------------------|---------------|----------------------|---------------------|
| 1 | 06 PM - 07 PM | 15.97 | 20.06 | | 3 | 06 PM - 07 PM | 22.47 | 22.30 |
| 1 | 07 PM - 08 PM | 19.59 | 20.06 | | 3 | 07 PM - 08 PM | 21.53 | 22.30 |
| 1 | 08 PM - 09 PM | 19.87 | 20.06 | | 3 | 08 PM - 09 PM | 19.10 | 22.30 |
| 23-Nov-17 | | | | | 23-Nov-17 | | | |
| Route No. | Time | Hourly average speed | Daily average speed | | Route No. | Time | Hourly average speed | Daily Average speed |
| 1 | 06 AM - 07 AM | 23.92 | 19.01 | | 3 | 06 AM - 07 AM | 30.90 | 23.49 |
| 1 | 07 AM - 08 AM | 22.90 | 19.01 | | 3 | 07 AM - 08 AM | 27.22 | 23.49 |
| 1 | 08 AM - 09 AM | 22.37 | 19.01 | | 3 | 08 AM - 09 AM | 22.90 | 23.49 |
| 1 | 09 AM - 10 AM | 24.26 | 19.01 | | 3 | 09 AM - 10 AM | 23.03 | 23.49 |
| 1 | 10 AM - 11 AM | 17.87 | 19.01 | | 3 | 10 AM - 11 AM | 20.25 | 23.49 |
| 1 | 11 AM - 12 PM | 17.39 | 19.01 | | 3 | 11 AM - 12 PM | 21.43 | 23.49 |
| 1 | 12 PM - 01 PM | 19.53 | 19.01 | | 3 | 12 PM - 01 PM | 25.14 | 23.49 |
| 1 | 01 PM - 02 PM | 18.76 | 19.01 | | 3 | 01 PM - 02 PM | 23.80 | 23.49 |
| 1 | 02 PM - 03 PM | 19.68 | 19.01 | | 3 | 02 PM - 03 PM | 22.81 | 23.49 |
| 1 | 03 PM - 04 PM | 19.64 | 19.01 | | 3 | 03 PM - 04 PM | 23.60 | 23.49 |
| 1 | 04 PM - 05 PM | 19.55 | 19.01 | | 3 | 04 PM - 05 PM | 26.33 | 23.49 |
| 1 | 05 PM - 06 PM | 16.98 | 19.01 | | 3 | 05 PM - 06 PM | 22.11 | 23.49 |
| 1 | 06 PM - 07 PM | 17.74 | 19.01 | | 3 | 06 PM - 07 PM | 22.43 | 23.49 |
| 1 | 07 PM - 08 PM | 20.05 | 19.01 | | 3 | 07 PM - 08 PM | 23.84 | 23.49 |
| 1 | 08 PM - 09 PM | 18.09 | 19.01 | | 3 | 08 PM - 09 PM | | 23.49 |
| 24-Nov-17 | | | | | 24-Nov-17 | | | |
| Route No. | Time | Hourly average speed | Daily average speed | | Route No. | Time | Hourly average speed | Daily Average speed |
| 1 | 06 AM - 07 AM | 20.83 | 18.48 | | 3 | 06 AM - 07 AM | 28.00 | 23.17 |
| 1 | 07 AM - 08 AM | 20.05 | 18.48 | | 3 | 07 AM - 08 AM | 29.20 | 23.17 |
| 1 | 08 AM - 09 AM | 23.27 | 18.48 | | 3 | 08 AM - 09 AM | 22.56 | 23.17 |
| 1 | 09 AM - 10 AM | 19.54 | 18.48 | | 3 | 09 AM - 10 AM | 25.05 | 23.17 |
| 1 | 10 AM - 11 AM | 19.29 | 18.48 | | 3 | 10 AM - 11 AM | 19.48 | 23.17 |
| 1 | 11 AM - 12 PM | 15.77 | 18.48 | | 3 | 11 AM - 12 PM | 21.75 | 23.17 |
| 1 | 12 PM - 01 PM | 18.36 | 18.48 | | 3 | 12 PM - 01 PM | 22.15 | 23.17 |
| 1 | 01 PM - 02 PM | 15.38 | 18.48 | | 3 | 01 PM - 02 PM | 22.31 | 23.17 |
| 1 | 02 PM - 03 PM | 18.89 | 18.48 | | 3 | 02 PM - 03 PM | 24.40 | 23.17 |
| 1 | 03 PM - 04 PM | 19.58 | 18.48 | | 3 | 03 PM - 04 PM | 22.35 | 23.17 |
| 1 | 04 PM - 05 PM | 21.38 | 18.48 | | 3 | 04 PM - 05 PM | 24.09 | 23.17 |
| 1 | 05 PM - 06 PM | 17.86 | 18.48 | | 3 | 05 PM - 06 PM | 18.40 | 23.17 |
| 1 | 06 PM - 07 PM | 13.91 | 18.48 | | 3 | 06 PM - 07 PM | 23.51 | 23.17 |
| 1 | 07 PM - 08 PM | 18.46 | 18.48 | | 3 | 07 PM - 08 PM | 23.57 | 23.17 |
| 1 | 08 PM - 09 PM | 16.85 | 18.48 | | 3 | 08 PM - 09 PM | | 23.17 |

8.3 Primary Survey Forms

8.3.1 Bus O-D Survey form

| S. no | Surveyor | Date | Time | Junction or Bus Stop Name | M/F | Destination Stop | Origin | Destination | Origin to Bus Stop Mode - Dropped (D), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Bus stop to destination mode-Pickup (P), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Purpose - Work (W), Education (E), Recreation (R) | Distance (Km) | On the corridor | Off the corridor | Percent of route on the corridor | Comments |
|-------|----------|----------|----------|---------------------------|-----|------------------------|-----------------------|------------------------|---|---|---|---------------|-----------------|------------------|----------------------------------|----------|
| 1 | Kanica | 14/12/17 | 10:05 am | Indira Circle | F | Gondal Chowk | Indira Circle | Gondal Chowkdi | W | W | W | 6 | 5.8 | 0.2 | 97% | |
| 2 | Kanica | 14/12/17 | 10:07 am | Indira Circle | M | Gondal Chowk | Mawdi Chowk | Gondal Chowkdi | W | W | W | 9.1 | 8.8 | 0.3 | 97% | |
| 3 | Kanica | 14/12/17 | 10:08 am | Indira Circle | M | Madhapar Chowk | Munjka | Jam Nagar | SA | CB | R | 8.4 | 4.7 | 3.7 | 56% | |
| 4 | Kanica | 14/12/17 | 10:10 am | Indira Circle | F | Ayodhya | Tvs Showroom | Ayodhya Chowk | W | W | R | 4.4 | 3.9 | 0.5 | 89% | |
| 5 | Kanica | 14/12/17 | 10:12 am | Indira Circle | F | Kotecha Chowk | Rampir | Dhamsania College | W | W | E | 4.5 | 2.6 | 1.9 | 58% | |
| 6 | Kanica | 14/12/17 | 10:13 am | Indira Circle | F | Om Nagar | Kotecha Chowk | Yadunandan Chowk | W | W | E | 4.1 | 2.5 | 1.6 | 61% | |
| 7 | Kanica | 14/12/17 | 10:16 am | Indira Circle | F | Gondal Chowk | Sadhu Vaswani | shapar | W | CB | W | 17.2 | 5.8 | 11.4 | 34% | |
| 8 | Kanica | 14/12/17 | 10:18 am | Indira Circle | M | Gondal Chowk | saurashtra University | ST Workshop | W | CB | W | 9 | 5.8 | 3.2 | 64% | |
| 9 | Kanica | 14/12/17 | 10:20 am | Indira Circle | M | Maha Pooja Dham | Jalaram Society | Equity Hundai | W | W | W | 8.3 | 2.1 | 6.2 | 25% | |
| 10 | Kanica | 14/12/17 | 10:22 am | Indira Circle | M | Nana Mava Circle | saurashtra University | Rajnagar Chowk | A | W | W | 5.8 | 1.5 | 4.3 | 26% | |
| 11 | Kanica | 14/12/17 | 10:25 am | Indira Circle | M | Mavdi Chowk | Atmiya College | Bapa Sitaram Chowk | W | W | E | 4.5 | 2.9 | 1.6 | 64% | |
| 12 | Kanica | 14/12/17 | 10:50 am | Raiya Tele Exchange | M | Madhapar Chowk | Somnath Society | Jam Nagar | W | Bus | P | 4.6 | 4 | 0.6 | 87% | |
| 13 | Kanica | 14/12/17 | 10:54 am | Raiya Tele Exchange | M | Indira Circle | Adarsh Plaza | Pushkar Dham | W | SA | P | 3 | 0.65 | 2.35 | 22% | |
| 14 | Kanica | 14/12/17 | 10:57 am | Raiya Tele Exchange | F | West Zone Office Chowk | Somnath Society | Big Bazaar | W | W | P | 2.2 | 1.6 | 0.6 | 73% | |
| 15 | Kanica | 14/12/17 | 11:00 am | Raiya Tele Exchange | F | West Zone Office Chowk | saurashtra University | West Zone Office Chowk | W | W | P | 4.9 | 1.6 | 3.3 | 33% | |
| 16 | Kanica | 14/12/17 | 11:05 am | Raiya Tele Exchange | F | Indira Circle | Ami Park | Saurashtra University | W | RMTS Bus | Education | 4.7 | 0.65 | 4.05 | 14% | |
| 17 | Kanica | 14/12/17 | 11:10 am | Raiya Tele Exchange | F | Madhapar Chowk | Tulsi Park | Dwarka Heights | W | W | P | 4.8 | 4 | 0.8 | 83% | |

| S. no | Surveyor | Date | Time | Junction or Bus Stop Name | M/F | Destination Stop | Origin | Destination | Origin to Bus Stop Mode - Dropped (D), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Bus stop to destination mode-Pickup (P), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Purpose - Work (W), Education (E), Recreation (R) | Distance (Km) | On the corridor | Off the corridor | Percent of route on the corridor | Comments |
|-------|----------|----------|----------|---------------------------|-----|---------------------|----------------------|---------------------|---|---|---|---------------|-----------------|------------------|----------------------------------|-----------|
| 18 | Kanica | 14/12/17 | 11:24 am | Raiya Tele Exchange | M | Gondal Chowk | Bhayavadar | Gondal Chowkdi | Bus | Bus | P | 97.4 | 6.5 | 90.9 | 7% | |
| 19 | Kanica | 14/12/17 | 11:27 am | Raiya Tele Exchange | F | Madhpar Chowk | Gondal Chowkdi | Gayatri Dham | Car | Bus | P | 11.1 | 4 | 7.1 | 36% | |
| 20 | Kanica | 14/12/17 | 11:30 am | Raiya Tele Exchange | F | Nanavati Chowk | Astron Chowk | ICE Nanavati | RMTS Bus | W | Education | 4.3 | 1.3 | 3 | 30% | |
| 21 | Kanica | 14/12/17 | 11:33 am | Raiya Tele Exchange | F | Gondal Chowk | Mombasa Ave | Aji Dam Chowk | W | SA | W | 13 | 6.5 | 6.5 | 50% | |
| 22 | Kanica | 14/12/17 | 11:34 am | Raiya Tele Exchange | F | Mavdi Chowk | Somnath Society | Bapa Sitaram Chowk | W | W | P | 4.7 | 3.6 | 1.1 | 77% | |
| 23 | Kanica | 14/12/17 | 11:35 am | Raiya Tele Exchange | M | Ram Dev Pir Chowkdi | Gopal Chowk | Unnati School | Auto | W | Education | 2.7 | 2 | 0.7 | 74% | |
| 24 | Kanica | 14/12/17 | 11:40 am | Raiya Chowk | F | Gondal Chowk | Bapa Sitaram Chowk | Junagadh | W | W | P | 15.9 | 11.7 | 4.2 | 74% | |
| 25 | Kanica | 14/12/17 | 11:44 am | Raiya Chowk | F | Indira Circle | Raiya Gaon | Wockhardt Hospital | W | W | W | 3.9 | 1.5 | 2.4 | 38% | |
| 26 | Kanica | 14/12/17 | 11:48 am | Raiya Chowk | | Maha Pooja Dham | Ashutosh Enterprise | Pathak School | RMTS Bus | W | Education | 3.9 | 3.6 | 0.3 | 92% | |
| 27 | Kanica | 14/12/17 | 11:55 am | Raiya Chowk | | Nanavati Chowk | Brahma Samaj Nagar | Nanavati Chowk | W | W | W | 0.65 | 0.5 | 0.15 | 77% | |
| 28 | Kanica | 14/12/17 | 12:00 pm | Nanavati Chowk | M | Indira Circle | RMC | TGES school | W | W | Education | 3.9 | 1.5 | 2.4 | 38% | |
| 29 | Kanica | 14/12/17 | 12:02 pm | Nanavati Chowk | F | Indira Circle | Satyanarayan Park | TGES school | W | W | Education | 3.5 | 1.5 | 2 | 43% | |
| 30 | Kanica | 14/12/17 | 12:05 pm | Nanavati Chowk | M | Gondal Chowk | Dharam Nagar | Somnath | W | Bus | Personal | 193 | 8.4 | 184.6 | 4% | Intercity |
| 31 | Kanica | 14/12/17 | 12:10 pm | Ramdev Pir Chowk | M | Raiya Tele Exchange | Gandhigram Society | Rosary High School | W | W | Education | 3.2 | 1.9 | 1.3 | 59% | |
| 32 | Kanica | 14/12/17 | 12:11 pm | Ramdev Pir Chowk | F | Raiya Tele Exchange | Labhdeep Society | Rosary High School | W | W | Education | 2.8 | 1.9 | 0.9 | 68% | |
| 33 | Kanica | 14/12/17 | 12:12 pm | Ramdev Pir Chowk | M | Punit Nagar | Gautam Nagar | Pipaliya | W | B | W | 26.3 | 7.8 | 18.5 | 30% | |
| 34 | Kanica | 14/12/17 | 12:13 pm | Ramdev Pir Chowk | M | Indira Circle | Bharti Nagar | GK Dholakiya School | W | SA | Education | 3.8 | 2.6 | 1.2 | 68% | |
| 35 | Kanica | 14/12/17 | 12:14 pm | Ramdev Pir Chowk | M | Nanavati Chowk | Swapnalok | Punjab Honda | W | W | Personal | 1 | 0.65 | 0.35 | 65% | |
| 36 | Kanica | 14/12/17 | 12:15 pm | Ramdev Pir Chowk | F | Ayodhya Chowk | Navjivan High School | Ayodhya Residency | W | W | Education | 2.3 | 1.3 | 1 | 57% | |

| S. no | Surveyor | Date | Time | Junction or Bus Stop Name | M/F | Destination Stop | Origin | Destination | Origin to Bus Stop Mode - Dropped (D), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Bus stop to destination mode-Pickup (P), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Purpose - Work (W), Education (E), Recreation (R) | Distance (Km) | On the corridor | Off the corridor | Percent of route on the corridor | Comments |
|-------|----------|----------|----------|---------------------------|-----|---------------------|------------------------|-------------------|---|---|---|---------------|-----------------|------------------|----------------------------------|-----------|
| 37 | Kanica | 14/12/17 | 12:16 pm | Ramdev Pir Chowk | M | Raiya Tele Exchange | Ramapir Chokdi | Ozone Mall | W | W | W | 2.9 | 1.9 | 1 | 66% | |
| 38 | Kanica | 14/12/17 | 12:17 pm | Ramdev Pir Chowk | F | Indira Circle | Shastri Nagar Rampir | Kotecha Chowk | W | SA | Education | 3.9 | 2.6 | 1.3 | 67% | |
| 39 | Kanica | 14/12/17 | 12:18 pm | Ramdev Pir Chowk | M | Ayodhya | Rampir Chokdi | Omkar Society | W | W | W | 2.3 | 1.3 | 1 | 57% | |
| 40 | Kanica | 14/12/17 | 12:20 pm | Ramdev Pir Chowk | M | Indira Circle | Gandhigram Society | Innovative School | W | SA | Education | 3.4 | 2.6 | 0.8 | 76% | |
| 41 | Kanica | 14/12/17 | 6:00 pm | Nana Mava Chowk | F | Ambedkar Nagar | RMC | Aashray | W | W | Personal | 3.1 | 2.6 | 0.5 | 84% | |
| 42 | Kanica | 14/12/17 | 6:03 pm | Nana Mava Chowk | M | Punit Nagar | Laxmi Nagar | Vavdi Gam | SA | W | Education | 5.8 | 3.7 | 2.1 | 64% | |
| 43 | Kanica | 14/12/17 | 6:06 pm | Nana Mava Chowk | M | Madhapar Chowk | Amrut | Para Pipaliya | W | W | W | 13.25 | 6.3 | 6.95 | 48% | |
| 44 | Kanica | 14/12/17 | 6:09 pm | Nana Mava Chowk | F | Shital Park | Aarogyam Medical Store | Rail Nagar | W | A | W | 8.9 | 4.6 | 4.3 | 52% | |
| 45 | Kanica | 14/12/17 | 6:12 pm | Nana Mava Chowk | F | Umiya Chowk | Kalyan Party Plot | Aashray Greens | W | W | Personal | 4.4 | 2 | 2.4 | 45% | |
| 46 | Kanica | 14/12/17 | 6:15 pm | Nana Mava Chowk | F | Indira Circle | RMC | Akashwani Chowk | W | SA | Education | 2.9 | 1.5 | 1.4 | 52% | |
| 47 | Kanica | 14/12/17 | 6:18 pm | Nana Mava Chowk | F | Raiya Tele Exchange | RMC | Rajput | W | W | Education | 2.4 | 2.2 | 0.2 | 92% | |
| 48 | Kanica | 14/12/17 | 6:21 pm | Nana Mava Chowk | F | Indira Circle | Hari Nagar | Dholakiya School | W | Car | W | 4.3 | 1.5 | 2.8 | 35% | |
| 49 | Kanica | 14/12/17 | 6:24 pm | Nana Mava Chowk | M | Madhapar Chowk | Padmi Society | Jam Nagar | W | SA | W | 93.3 | 6.3 | 87 | 7% | Intercity |
| 50 | Kanica | 14/12/17 | 6:27 pm | Nana Mava Chowk | M | Gondal Chowk | Panchvati Society | Dhoraji | W | B | W | 86.1 | 4.3 | 81.8 | 5% | Intercity |
| 51 | Kairvi | 14/12/17 | 09:50am | NANAVATI CHOWK | F | Indira Circle | Gandhigram | University Rd | W | CB | E | 3.7 | 2 | 1.7 | 54% | |
| 52 | Kairvi | 14/12/17 | 09:52am | NANAVATI CHOWK | F | Indira Circle | Gandhigram | University Rd | W | CB | E | 3.7 | 2 | 1.7 | 54% | |
| 53 | Kairvi | 14/12/17 | 09:55am | NANAVATI CHOWK | M | Indira Circle | Ayodhya Chowk | KKV | W | W | W | 5.7 | 2 | 3.7 | 35% | |
| 54 | Kairvi | 14/12/17 | 09:57am | NANAVATI CHOWK | F | Indira Circle | Gandhigram | Panchayat Chowk | W | W | W | 3.2 | 2 | 1.2 | 63% | |
| 55 | Kairvi | 14/12/17 | 09:58am | NANAVATI CHOWK | M | West Zone | Gandhigram | Atmiya College | W | W | E | 3.8 | 2.9 | 0.9 | 76% | |
| 56 | Kairvi | 14/12/17 | 10:00am | SHITAL PARK | M | Madhapar Chowk | Vinay Vatika | Madhapar | W | W | R | 2.6 | 1.5 | 1.1 | 58% | |
| 57 | Kairvi | 14/12/17 | 10:02am | SHITAL PARK | F | Indira Circle | Shashtri Nagar | Kotecha Chowk | W | W | E | 4.9 | 3.1 | 1.8 | 63% | |

| S. no | Surveyor | Date | Time | Junction or Bus Stop Name | M/F | Destination Stop | Origin | Destination | Origin to Bus Stop Mode - Dropped (D), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Bus stop to destination mode-Pickup (P), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Purpose - Work (W), Education (E), Recreation (R) | Distance (Km) | On the corridor | Off the corridor | Percent of route on the corridor | Comments |
|-------|----------|----------|---------|---------------------------|-----|------------------|--------------------|-----------------------|---|---|---|---------------|-----------------|------------------|----------------------------------|-----------|
| 58 | Kairvi | 14/12/17 | 10:04am | SHITAL PARK | M | Shital Park | Nanavati Chowk | Shyam Nagar | W | W | R | 1.3 | 1.2 | 0.1 | 92% | |
| 59 | Kairvi | 14/12/17 | 10:06am | SHITAL PARK | F | Nanavati Chowk | Raiya Dhar | Nanavati Chowk | W | W | R | 2.4 | 1.2 | 1.2 | 50% | |
| 60 | Kairvi | 14/12/17 | 10:08am | SHITAL PARK | M | Shital Park | Ayodhya Chowk | Sheetal Park | W | W | R | 2.2 | 0.8 | 1.4 | 36% | |
| 61 | Kairvi | 14/12/17 | 10:10am | SHITAL PARK | M | Shital Park | Madhapar | Sheetal Park | W | W | R | 3.2 | 1.5 | 1.7 | 47% | |
| 62 | Kairvi | 14/12/17 | 10:12am | SHITAL PARK | F | Raiya Telephone | Shital Park | Sadhuvasvani | W | A | R | 4.4 | 2.5 | 1.9 | 57% | |
| 63 | Kairvi | 14/12/17 | 10:13am | SHITAL PARK | F | Shital Park | West Zone | Shital Park | CB | W | W | 4.2 | 4.2 | 0 | 100% | |
| 64 | Kairvi | 14/12/17 | 10:15am | SHITAL PARK | M | Madhapar | Purusharth | Shital Park | W | W | E | 10.4 | 8.2 | 2.2 | 79% | |
| 65 | Kairvi | 14/12/17 | 10:17am | SHITAL PARK | F | Ayodhya Chowk | Shital Park | Near by | W | W | E | 1.2 | 0.8 | 0.4 | 67% | |
| 66 | Kairvi | 14/12/17 | 10:18am | SHITAL PARK | F | Ayodhya Chowk | Shital Park | Astha Residence | W | W | E | 1.9 | 0.8 | 1.1 | 42% | |
| 67 | Kairvi | 14/12/17 | 10:22am | SHITAL PARK | M | Raiya Chowk | Shital Park | Raiya Chowk | W | W | R | 2.1 | 1.6 | 0.5 | 76% | |
| 68 | Kairvi | 20/12/17 | 10:30am | Ambedkar Chowk | F | Ambedkar Nagar | Mavdi Chowkdi | Ambedkar Chowk | W | W | W | 1.6 | 1.2 | 0.4 | 75% | |
| 69 | Kairvi | 20/12/17 | 10:32am | Ambedkar Chowk | F | Nana Mauva | Ambedkar Chowk | Aji Dam | W | P | R | 10.5 | 2.6 | 7.9 | 25% | |
| 70 | Kairvi | 20/12/17 | 10:35am | Ambedkar Chowk | F | Madhapar Chowk | Ambedkar Chowk | Madhapar Chowkdi | W | CB | R | 8.8 | 8.8 | 0 | 100% | |
| 71 | Kairvi | 20/12/17 | 10:37am | Ambedkar Chowk | M | Madhapar Chowk | Pramukh Industries | Jamnagar | W | ST | W | 97 | 8.8 | 88.2 | 9% | Intercity |
| 72 | Kairvi | 20/12/17 | 10:55am | MAHAPUJA | F | Madhapar Chowk | Mahapuja | Krishna Society | W | W | W | 7.7 | 6.7 | 1 | 87% | |
| 73 | Kairvi | 20/12/17 | 10:57am | MAHAPUJA | M | Mahapuja | Gondal Chowkdi | Creative School | B | W | W | 4.7 | 3.8 | 0.9 | 81% | |
| 74 | Kairvi | 20/12/17 | 11:00am | MAHAPUJA | F | Indira Circle | Mahapuja | Bhalodiya College | W | W | W | 3.2 | 2.1 | 1.1 | 66% | |
| 75 | Kairvi | 20/12/17 | 11:04am | MAHAPUJA | F | Indira Circle | Mahapuja | Bhalodiya College | W | W | E | 3.2 | 2.1 | 1.1 | 66% | |
| 76 | Kairvi | 20/12/17 | 11:07am | MAHAPUJA | F | Madhapar Chowk | Mahapuja | Kagdadi | W | GRTS | W | 27 | 6.7 | 20.3 | 25% | |
| 77 | Kairvi | 20/12/17 | 11:12am | MAHAPUJA | F | Ayodhya Chowk | Mahapuja | Ayodhya Chowk | W | W | R | 6.1 | 6.1 | 0 | 100% | |
| 78 | Kairvi | 20/12/17 | 11:15am | MAHAPUJA | F | Indira Circle | Backbone Center | Saurashtra University | CB | CB | E | 6.3 | 2.1 | 4.2 | 33% | |
| 79 | Kairvi | 20/12/17 | 11:30am | OM NAGAR | M | Indira Circle | Om Nagar | Atmiya College | W | W | E | 4.5 | 2.5 | 2 | 56% | |
| 80 | Kairvi | 20/12/17 | 11:32am | OM NAGAR | M | Ramapir Chowkdi | Om Nagar | Lijjat Papad | W | W | R | 5.5 | 5.2 | 0.3 | 95% | |

| S. no | Surveyor | Date | Time | Junction or Bus Stop Name | M/F | Destination Stop | Origin | Destination | Origin to Bus Stop Mode - Dropped (D), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Bus stop to destination mode-Pickup (P), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Purpose - Work (W), Education (E), Recreation (R) | Distance (Km) | On the corridor | Off the corridor | Percent of route on the corridor | Comments |
|-------|----------|----------|----------|---------------------------|-----|--------------------------|---------------------|---------------------|---|---|---|---------------|-----------------|------------------|----------------------------------|-----------|
| 81 | Kairvi | 20/12/17 | 11:35am | OM NAGAR | F | Indira Circle | Om Nagar | Swaminarayan Mandir | W | CB | E | 4 | 2.5 | 1.5 | 63% | |
| 82 | Kairvi | 20/12/17 | 11:38am | OM NAGAR | M | Nana Mauva | Mavdi Chowkdi | Nana Mauva | A | W | W | 3 | 1.4 | 1.6 | 47% | |
| 83 | Kairvi | 20/12/17 | 11:40am | OM NAGAR | M | Nana Mauva | Madhapar | Nana Mauva | A | W | W | 8.2 | 6.2 | 2 | 76% | |
| 84 | Kairvi | 20/12/17 | 11:43am | OM NAGAR | M | Govardhan Chowk | Om Nagar | Sapar | W | P | W | 14.7 | 2 | 12.7 | 14% | |
| 85 | Kairvi | 20/12/17 | 11:45am | OM NAGAR | M | Umiya Chowk | Om Nagar | Umiya Chowk | W | W | R | 1.1 | 1 | 0.1 | 91% | |
| 86 | Jeet | 20/12/17 | 10:30 am | Ambedkar Nagar | M | Ambedkar Nagar | Balaji Hall | Khodiyar Nagar | W | W | R | 2.5 | 2 | 0.5 | 80% | |
| 87 | Jeet | 20/12/17 | 10:32 am | Ambedkar Nagar | F | Raiya Chowkdi | Aastha Residency | Raiya Village | W | W | R | 8.1 | 5.6 | 2.5 | 69% | |
| 88 | Jeet | 20/12/17 | 10:33 am | Ambedkar Nagar | M | West Zone | Ambedkar Nagar | Pantaloons | W | W | W | 4.2 | 3.2 | 1 | 76% | |
| 89 | Jeet | 20/12/17 | 10:35 am | Ambedkar Nagar | F | Raiya Chowkdi | Ambedkar Nagar | Raiya Chowkdi | W | W | W | 6.6 | 5.6 | 1 | 85% | |
| 90 | Jeet | 20/12/17 | 10:37 am | Ambedkar Nagar | M | West Zone | Ambedkar Nagar | Reliance Mall | W | W | R | 4.3 | 3.2 | 1.1 | 74% | |
| 91 | Jeet | 20/12/17 | 12:10 am | Madhapar Chowkdi | M | Raiya Chowkdi | Mota Rampar | Modi School | Bus | Walk | Edu | 25.3 | 3.1 | 22.2 | 12% | suburb |
| 92 | Jeet | 20/12/17 | 12:12 am | Madhapar Chowkdi | M | Raiya Chowkdi | Madhapar | Satwara | Bus | Walk | R | 4.4 | 3.1 | 1.3 | 70% | |
| 93 | Jeet | 20/12/17 | 12:13 am | Madhapar Chowkdi | M | Madhapar | Indira Circle | Madhapar Village | Bus | Bus | W | 5.5 | 4.7 | 0.8 | 85% | |
| 94 | Jeet | 20/12/17 | 12:15 am | Madhapar Chowkdi | M | Mahapuja | Wakaner | Dholakiya School | Rikshaw | Walk | R | 52.3 | 6.7 | 45.6 | 13% | intercity |
| 95 | Jeet | 20/12/17 | 12:17 am | Madhapar Chowkdi | M | Mahapuja | SRPF Camp | Dholakiya School | Bus | Walk | Edu | 12.2 | 6.7 | 5.5 | 55% | |
| 96 | Jeet | 20/12/17 | 12:18am | Madhapar Chowkdi | M | Raiya Chowkdi | Sheth Nagar | Mahadev Hotel | Rikshaw | Walk | R | 5 | 3.1 | 1.9 | 62% | |
| 97 | Jeet | 20/12/17 | 12:20 am | Madhapar Chowkdi | M | Raiya Telephone Exchange | Madhapar | Telephone Exchnage | Walk | Walk | R | 4.6 | 4 | 0.6 | 87% | |
| 98 | Jeet | 20/12/17 | 12:22 am | Madhapar Chowkdi | M | Madhapar | Om Nagar | Madhapar Village | Walk | Auto | R | 9.3 | 7.2 | 2.1 | 77% | |
| 99 | Jeet | 20/12/17 | 12:23 am | Madhapar Chowkdi | M | Telephone Exchange | Jamnagar | Telephone Exchnage | BUs | Walk | R | 89.7 | 4 | 85.7 | 4% | intercity |
| 100 | Jeet | 20/12/17 | 12:25 am | Madhapar Chowkdi | M | Mahapuja | Sheth Nagar | Dholakiya School | 2W | Walk | Edu | 8.6 | 6.7 | 1.9 | 78% | |
| 101 | Jeet | 21/12/17 | 10:50 am | Mavdi Chowk | F | Indira Circle | Swaminarayan Chowk | Panchayat Chowk | Auto | W | R | 4.7 | 2.9 | 1.8 | 62% | |
| 102 | Jeet | 21/12/17 | 10:52 am | Mavdi Chowk | M | Raiya Telephone Exchnage | PD Malaviya College | Raiya Telephone | D | W | W | 5.6 | 3.6 | 2 | 64% | |

| S. no | Surveyor | Date | Time | Junction or Bus Stop Name | M/F | Destination Stop | Origin | Destination | Origin to Bus Stop Mode - Dropped (D), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Bus stop to destination mode-Pickup (P), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Purpose - Work (W), Education (E), Recreation (R) | Distance (Km) | On the corridor | Off the corridor | Percent of route on the corridor | Comments |
|-------|----------|----------|----------|---------------------------|-----|-----------------------|---------------------------------|-----------------------|---|---|---|---------------|-----------------|------------------|----------------------------------|-----------|
| 103 | Jeet | 21/12/17 | 10:53 am | Mavdi Chowk | F | Raiya Circle | Mavdi Chowk | Raiya Circle | W | W | R | 3 | 2.9 | 0.1 | 97% | |
| 104 | Jeet | 21/12/17 | 10:55 am | Mavdi Chowk | M | Madhapar Chowkdi | Swaminarayan Chowk | Morbi City | Auto | CB | W | 78.1 | 7.6 | 70.5 | 10% | Intercity |
| 105 | Jeet | 21/12/17 | 10:56 am | Mavdi Chowk | M | Indira Circle | Mavdi Chowk | KKV Hall | W | P | W | 3.4 | 2.9 | 0.5 | 85% | |
| 106 | Jeet | 21/12/17 | 10:58am | Mavdi Chowk | M | West Zone | Mavdi Chowk | Reliance Mall | W | W | W | 2.3 | 2 | 0.3 | 87% | |
| 107 | Jeet | 21/12/17 | 11:00 am | Mavdi Chowk | M | Nana Mauva | Amrapali Fatak | Nana Mauva | D | W | W | 4.9 | 1.4 | 3.5 | 29% | |
| 108 | Jeet | 21/12/17 | 11:03 am | Mavdi Chowk | M | Gondal Chowkdi | Mavdi Chowk | Shapar | W | P | W | 13.4 | 2.9 | 10.5 | 22% | |
| 109 | Jeet | 21/12/17 | 11:05 am | Mavdi Chowk | M | Punit Nagar | Mavdi | Punit Park | W | W | W | 3.5 | 2.3 | 1.2 | 66% | |
| 110 | Jeet | 21/12/17 | 10:05 am | Umiya Chowk | M | Indira Circle | Umiya Chowk | Saurashtra University | W | A | W | 6.6 | 3.5 | 3.1 | 53% | |
| 111 | Jeet | 21/12/17 | 10:06 am | Umiya Chowk | M | Indira Circle | Nana Mauva | Indira Circle | Bus-BRT | Bus - BRT | W | 5.3 | 3.5 | 1.6 | 66% | |
| 112 | Jeet | 21/12/17 | 10:08 am | Umiya Chowk | M | Umiyaji Chowk | Nana Mauva | Umiyaji Chowk | Bus BRT | Bus BRT | W | 4 | 2 | 2 | 50% | |
| 113 | Jeet | 21/12/17 | 10:10 am | Umiya Chowk | M | Raiya Chowk | Ambedkar nagar | Raiya Chowk | W | W | W | 5.4 | 5 | 0.4 | 93% | |
| 114 | Jeet | 21/12/17 | 10:12 am | Umiya Chowk | F | Indira Circle | Umiya Chowk | Sadhuvasvani Rd | W | A | W | 5.1 | 3.5 | 1.6 | 69% | |
| 115 | Jeet | 21/12/17 | 10:14 am | Umiya Chowk | M | Indira Circle | Govardhan Chowk | KKV (for Metoda) | W | W | W | 4.9 | 3.5 | 1.4 | 71% | |
| 116 | Jeet | 21/12/17 | 10:16 am | Umiya Chowk | M | West Zone | Gondal Chowkdi | Reliance Mall | Bus BRT | W | R | 5.2 | 2.6 | 2.6 | 50% | |
| 117 | Jeet | 21/12/17 | 10:18 am | Umiya Chowk | F | Punit Nagar | Umiya Chowk, Gokuldham Society. | Punit Park | W | W | W | 2.9 | 1.7 | 1.2 | 59% | |
| 118 | Jeet | 21/12/17 | 10:19 am | Umiya Chowk | M | Indira Circle | Gokuldham society | Akashwani Chowk | W | Auto | R | 5.9 | 3.5 | 2.4 | 59% | |
| 119 | Jeet | 21/12/17 | 10:20 am | Umiya Chowk | M | Govardhan Chowk | Umiya Chowk | Madhav Park | Car | W | W | 2.1 | 1.1 | 1 | 52% | |
| 120 | Shyambir | 13/12/17 | 3:15 PM | West Zone Office Chowk | M | Gondal Chowk | Iscon Mall | Vavdi | Walk | A | Shopping | 7 | 4.9 | 2.1 | 70% | |
| 121 | Shyambir | 13/12/17 | 3:15 PM | West Zone Office Chowk | M | Madhapar Chowk | Iscon Mall | Bajrang Wadi | Walk | A | Shopping | 6.1 | 5.6 | 0.5 | 92% | |
| 122 | Shyambir | 13/12/17 | 3:18 PM | West Zone Office Chowk | F | Maha Pooja Dham Chowk | Maruti Chowk | Vishav Nagar | Walk | W | Education | 2.3 | 1.1 | 1.2 | 48% | |
| 123 | Shyambir | 13/12/17 | 3:19 PM | West Zone Office Chowk | F | Maha Pooja Dham Chowk | Maruti Chowk | Vishav Nagar | Walk | W | Education | 2.3 | 1.1 | 1.2 | 48% | |

| S. no | Surveyor | Date | Time | Junction or Bus Stop Name | M/F | Destination Stop | Origin | Destination | Origin to Bus Stop Mode - Dropped (D), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Bus stop to destination mode-Pickup (P), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Purpose - Work (W), Education (E), Recreation (R) | Distance (Km) | On the corridor | Off the corridor | Percent of route on the corridor | Comments |
|-------|----------|----------|---------|---------------------------|-----|---------------------------|-----------------------------------|-----------------------|---|---|---|---------------|-----------------|------------------|----------------------------------|----------|
| 124 | Shyambir | 13/12/17 | 3:20 PM | West Zone Office Chowk | M | Nana Mava Chowk | West Zone Office Chowk | Nana Mava Chowk | Walk | W | Survey | 0.65 | 0.65 | 0 | 100% | |
| 125 | Shyambir | 13/12/17 | 3:25 PM | West Zone Office Chowk | M | Maha Pooja Dham Chowk | KKV Chowk | Mayani Chowk | Walk | W | Shopping | 4.1 | 1.1 | 3 | 27% | |
| 126 | Shyambir | 13/12/17 | 3:25 PM | West Zone Office Chowk | M | Maha Pooja Dham Chowk | KKV Chowk | Mayani Chowk | Walk | W | Shopping | 4.1 | 1.1 | 3 | 27% | |
| 127 | Shyambir | 13/12/17 | 3:50 PM | Nana Mava Chowk | M | Raiya Chowk | PNB Bank | Kiwadi Nagar | Walk | W | Other | 3.7 | 3 | 0.7 | 81% | |
| 128 | Shyambir | 13/12/17 | 3:55 PM | Nana Mava Chowk | F | Punit Nagar Chowk | Padmi Society (Library) | Kodiyani Nagar | Walk | W | Education | 4.3 | 3.8 | 0.5 | 88% | |
| 129 | Shyambir | 13/12/17 | 3:58 PM | Nana Mava Chowk | F | Punit Nagar Chowk | Padmi Society (Library) | Kodiyani Nagar | Walk | W | Education | 4.3 | 3.8 | 0.5 | 88% | |
| 130 | Shyambir | 13/12/17 | 4:00 PM | Nana Mava Chowk | M | Indira Circle | Nana Muva Road | Vaidik Boys Hostel | Walk | W | Other | 2.3 | 1.5 | 0.8 | 65% | |
| 131 | Shyambir | 13/12/17 | 4:05 PM | Nana Mava Chowk | F | Indira Circle | Padmi Society (Library) | Vardhman Girls Hostel | Walk | W | Education | 2.1 | 1.5 | 0.6 | 71% | |
| 132 | Shyambir | 13/12/17 | 4:06 PM | Nana Mava Chowk | F | Mavdi Chowk | Astha Shop (Nana mava) | Astha Hostel | Walk | W | Work | 1.9 | 1.4 | 0.5 | 74% | |
| 133 | Shyambir | 13/12/17 | 4:10 PM | Nana Mava Chowk | M | Punit Nagar Chowk | Aarogyam Hospital | Punit Nagar | Walk | A | Work | 5 | 3.7 | 1.3 | 74% | |
| 134 | Shyambir | 13/12/17 | 4:15 PM | Nana Mava Chowk | M | Goverdhan Chowk | PNB Bank | Madhav Vatika | Walk | W | Work | 3.7 | 3.1 | 0.6 | 84% | |
| 135 | Shyambir | 13/12/17 | 5:30 PM | Indira Circle | M | Raiya Chowk | CMS Computer Institute (Coaching) | Akashat Hostel | Walk | A | Education | 2 | 1.5 | 0.5 | 75% | |
| 136 | Shyambir | 13/12/17 | 5:32 PM | Indira Circle | M | Nanavati Chowk | CMS Computer Institute (Coaching) | Gandhi Nagar | Walk | W | Education | 2.4 | 2 | 0.4 | 83% | |
| 137 | Shyambir | 13/12/17 | 5:33 PM | Indira Circle | F | West Zone Office Chowk | Royal Park(PG) | Big Bazaar | Walk | W | Shopping | 1.7 | 0.95 | 0.75 | 56% | |
| 138 | Shyambir | 13/12/17 | 5:35 PM | Indira Circle | F | West Zone Office Chowk | Royal Park(PG) | Big Bazaar | Walk | W | Shopping | 1.7 | 0.95 | 0.75 | 56% | |
| 139 | Shyambir | 13/12/17 | 5:40 PM | Indira Circle | F | Nanavati Circle(Bus Stop) | Patel Education | Gandhi Nagar | Walk | W | Education | 2.6 | 2 | 0.6 | 77% | |
| 140 | Shyambir | 13/12/17 | 5:42 PM | Indira Circle | M | Goverdhan Chowk | Diva Hospital | Nandanvan | Walk | W | Work | 5.8 | 4.6 | 1.2 | 79% | |

| S. no | Surveyor | Date | Time | Junction or Bus Stop Name | M/F | Destination Stop | Origin | Destination | Origin to Bus Stop Mode - Dropped (D), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Bus stop to destination mode-Pickup (P), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Purpose - Work (W), Education (E), Recreation (R) | Distance (Km) | On the corridor | Off the corridor | Percent of route on the corridor | Comments |
|-------|----------|----------|----------|---------------------------|-----|------------------------|------------------------|-------------------|---|---|---|---------------|-----------------|------------------|----------------------------------|----------|
| 141 | Shyambir | 13/12/17 | 5:45 PM | Indira Circle | M | Gondal Chowk | Sampati Apartment | Udyog nagar | Walk | A | Work | 7.9 | 5.8 | 2.1 | 73% | |
| 142 | Shyambir | 13/12/17 | 5:46 PM | Indira Circle | M | Madhapar Chowk | Suzuki Service Station | Sheth Nagar | Walk | A | Work | 6 | 4.7 | 1.3 | 78% | |
| 143 | Shyambir | 13/12/17 | 6:15 PM | Raiya Tele Exchange | M | Ramdev Pir Chowk | Royal Hotel | Dharam Nagar | Walk | W | Work | 2.9 | 2 | 0.9 | 69% | |
| 144 | Shyambir | 13/12/17 | 6:18 PM | Raiya Tele Exchange | F | Punit Nagar Chowk | Patel Travels | Punit Nagar | Walk | A | Work | 6.6 | 5.9 | 0.7 | 89% | |
| 145 | Shyambir | 13/12/17 | 6:20 PM | Raiya Tele Exchange | F | Nana Mava Chowk | Mathur Hospital | Mota Mava | Walk | A | Work | 5.4 | 2.2 | 3.2 | 41% | |
| 146 | Shyambir | 13/12/17 | 6:25 PM | Raiya Tele Exchange | M | West Zone Office Chowk | Kala Kendra | Iscon Mall | Walk | W | Work | 2.6 | 1.6 | 1 | 62% | |
| 147 | Shyambir | 13/12/17 | 6:26 PM | Raiya Tele Exchange | M | Madhapar Chowk | Hari Nagar | Manharpura | Walk | W | Work | 6.2 | 4 | 2.2 | 65% | |
| 148 | Shyambir | 13/12/17 | 6:30 PM | Raiya Tele Exchange | M | Om Nagar Chowk | Golden Park (Coaching) | Chandresh Nagar | Walk | W | Education | 3.6 | 3.2 | 0.4 | 89% | |
| 149 | Shyambir | 13/12/17 | 6:35 PM | Raiya Tele Exchange | F | Umiya Chowk | Golden Park (Coaching) | Mavdi Village | Walk | W | Education | 4.5 | 4.2 | 0.3 | 93% | |
| 150 | Shyambir | 13/12/17 | 6:38 PM | Raiya Tele Exchange | M | Ambedkar Nagar Chowk | Tulsi Park | Punit Nagar | Auto | W | Work | 6.5 | 4.8 | 1.7 | 74% | |
| 151 | Shyambir | 14/12/17 | 11:44 am | Raiya Chowk | M | Umiya Chowk | Geetanjali college | Gokuldham Society | Dropped | W | Education | 6.5 | 4.2 | 2.3 | 65% | |
| 152 | Shyambir | 14/12/17 | 11:45 am | Raiya Chowk | F | Madhapar Chowk | Nav jevan Society | Tankara | Auto | CB | Work | 44.8 | 3.1 | 41.7 | 7% | |
| 153 | Shyambir | 14/12/17 | 11:50 am | Raiya Chowk | F | Indira Circle | M.J Kundaliya | Ravi park | City Bus | W | Education | 8 | 1.5 | 6.5 | 19% | |
| 154 | Shyambir | 14/12/17 | 11:50 am | Raiya Chowk | F | Indira Circle | M.J Kundaliya | Ravi park | City Bus | W | Education | 8 | 1.5 | 6.5 | 19% | |
| 155 | Shyambir | 14/12/17 | 11:55 am | Nanavati Chowk | F | Indira Circle | Dharam Nagar | Inovative Society | Walk | W | Work | 4.6 | 2 | 2.6 | 43% | |
| 156 | Shyambir | 14/12/17 | 11:58 am | Nanavati Chowk | M | Indira Circle | Radhika Park | G T Sheth School | Walk | W | Education | 3.3 | 2 | 1.3 | 61% | |
| 157 | Shyambir | 14/12/17 | 11:59 am | Nanavati Chowk | M | Indira Circle | Radhika Park | G T Sheth School | Walk | W | Education | 3.3 | 2 | 1.3 | 61% | |
| 158 | Shyambir | 14/12/17 | 12:05 pm | Ayodhya Chowk | M | Raiya Tele Exchange | Madhapar | Modi School | Walk | W | Education | 5.2 | 3.3 | 1.9 | 63% | |
| 159 | Shyambir | 14/12/17 | 12:08 pm | Ayodhya Chowk | M | Raiya Tele Exchange | Manas Apartment | Modi School | Walk | W | Education | 4.1 | 3.3 | 0.8 | 80% | |
| 160 | Shyambir | 14/12/17 | 12:10 pm | Ayodhya Chowk | M | Raiya Tele Exchange | Gokul Appartment | Modi School | Walk | W | Education | 4.1 | 3.3 | 0.8 | 80% | |

| S. no | Surveyor | Date | Time | Junction or Bus Stop Name | M/F | Destination Stop | Origin | Destination | Origin to Bus Stop Mode - Dropped (D), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Bus stop to destination mode-Pickup (P), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Purpose - Work (W), Education (E), Recreation (R) | Distance (Km) | On the corridor | Off the corridor | Percent of route on the corridor | Comments |
|-------|----------|----------|----------|---------------------------|-----|------------------------|----------------------|--------------------------------|---|---|---|---------------|-----------------|------------------|----------------------------------|-----------|
| 161 | Shyambir | 14/12/17 | 12:20 pm | Ayodhya Chowk | F | Indira Circle | Alaknanda Apartment | G T Sheth School | Walk | W | Work | 4.5 | 3.9 | 0.6 | 87% | |
| 162 | Shyambir | 14/12/17 | 12:25 pm | Ayodhya Chowk | M | Raiya Chowk | Gokul Apartment | Raiya Chowk(Shop) | Walk | W | Work | 2.8 | 2.4 | 0.4 | 86% | |
| 163 | Shyambir | 14/12/17 | 12:30 pm | Ayodhya Chowk | M | Madhapar Chowk | Seemandhra Apartment | Jamnagar | Walk | Bus | Other | 87.2 | 0.75 | 86.45 | 1% | Intercity |
| 164 | Shyambir | 14/12/17 | 12:32 pm | Ayodhya Chowk | M | Raiya Tele Exchange | Radha Residency | Modi School | Walk | W | Education | 4.3 | 3.3 | 1 | 77% | |
| 165 | Shyambir | 14/12/17 | 12:33 pm | Ayodhya Chowk | F | West Zone Office Chowk | Alaknanda Apartment | Big Bazaar | Walk | W | Shopping | 5.4 | 4.9 | 0.5 | 91% | |
| 166 | Shyambir | 14/12/17 | 12:35 pm | Ayodhya Chowk | M | West Zone Office Chowk | Ayodhya Society | Bhavan Kunj | Walk | W | Other | 5.9 | 4.9 | 1 | 83% | |
| 167 | Shyambir | 14/12/17 | 12:38 pm | Ayodhya Chowk | M | Nana Mava Chowk | Ayodhya Society | Krishna School | Walk | W | Education | 6.6 | 5.4 | 1.2 | 82% | |
| 168 | Shyambir | 15/12/17 | 10:44 am | Gondal Chowk | F | Indira Circle | Virpur | RP Bhalodia College | Bus | W | Education | 55.6 | 5.8 | 49.8 | 10% | Intercity |
| 169 | Shyambir | 15/12/17 | 10:45 am | Gondal Chowk | F | Indira Circle | Virpur | RP Bhalodia College | Bus | W | Education | 55.6 | 5.8 | 49.8 | 10% | Intercity |
| 170 | Shyambir | 15/12/17 | 10:46 am | Gondal Chowk | M | Raiya Chowk | Hudko Chokdi | Panchvati Society | Auto | W | Job | 8.2 | 7.3 | 0.9 | 89% | |
| 171 | Shyambir | 15/12/17 | 10:48 am | Gondal Chowk | M | Mavdi Chowk | Jakhra | Astha Hotel | Bus | W | Other | 6.6 | 2.9 | 3.7 | 44% | |
| 172 | Shyambir | 15/12/17 | 10:50 am | Gondal Chowk | M | Indira Circle | Porbandar | Race Course | Bus | A | Other | 183 | 5.8 | 177.2 | 3% | Intercity |
| 173 | Shyambir | 15/12/17 | 10:51 am | Gondal Chowk | M | Indira Circle | Shapar | Indira Circle | Auto | W | Job | 15.9 | 5.8 | 10.1 | 36% | |
| 174 | Shyambir | 15/12/17 | 10:52 am | Gondal Chowk | M | Mavdi Chowk | Maldhari Hotel | ICICI Bank | Bike | W | Other | 4.5 | 2.9 | 1.6 | 64% | |
| 175 | Shyambir | 15/12/17 | 10:53 am | Gondal Chowk | F | Raiya Tele Exchange | Gondal | Somnath Society | Bus | B | Other | 40.2 | 6.5 | 33.7 | 16% | |
| 176 | Shyambir | 15/12/17 | 10:54 am | Gondal Chowk | M | Indira Circle | Junagadh | RP Bhalodia College | Bus | Bus | Education | 101 | 5.8 | 95.2 | 6% | |
| 177 | Shyambir | 15/12/17 | 10:55 am | Gondal Chowk | M | Ambedkar Nagar Chowk | Gondal | Shree Jay Ambe Energy (Office) | Bus | W | Job | 35 | 1.7 | 33.3 | 5% | |
| 178 | Shyambir | 15/12/17 | 11:04 am | Punit Nagar Chowk | M | Gondal Chowk | Govindratn Banglow | Kothariya Chokdi | Cycle | A | Education | 11.7 | 0.65 | 11.05 | 6% | |
| 179 | Shyambir | 15/12/17 | 11:06 am | Punit Nagar Chowk | M | Gondal Chowk | Punit Nagar | Gondal | Walk | Bus | Other | 34.5 | 0.65 | 33.85 | 2% | |

| S. no | Surveyor | Date | Time | Junction or Bus Stop Name | M/F | Destination Stop | Origin | Destination | Origin to Bus Stop Mode - Dropped (D), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Bus stop to destination mode-Pickup (P), Walk (W), Bicycle (B), 2 W (S), Car (C), City Bus (CB), Auto (A) or others | Purpose - Work (W), Education (E), Recreation (R) | Distance (Km) | On the corridor | Off the corridor | Percent of route on the corridor | Comments |
|-------|----------|----------|----------|---------------------------|-----|-------------------|-----------------------|---------------------------|---|---|---|---------------|-----------------|------------------|----------------------------------|----------|
| 180 | Shyambir | 15/12/17 | 11:07 am | Punit Nagar Chowk | F | Gondal Chowk | Punit Nagar | Gondal | Walk | Bus | Other | 34.5 | 0.65 | 33.85 | 2% | |
| 181 | Shyambir | 15/12/17 | 11:08 am | Punit Nagar Chowk | M | Raiya Chowk | Punit Nagar | Raiya Chowk | Walk | W | Other | 7.3 | 6.7 | 0.6 | 92% | |
| 182 | Shyambir | 15/12/17 | 11:10 am | Punit Nagar Chowk | M | Raiya Chowk | Shiv Mandir | Raiya Chowk | Walk | W | Job | 7 | 6.7 | 0.3 | 96% | |
| 183 | Shyambir | 15/12/17 | 11:14 am | Punit Nagar Chowk | M | Umiya Chowk | Vision School | Jasraj Nagar | Walk | W | Education | 2.7 | 1.7 | 1 | 63% | |
| 184 | Shyambir | 15/12/17 | 11:16 am | Punit Nagar Chowk | M | Indira Circle | Punit Nagar | Police Head Quarter | Walk | B | Other | 8.9 | 5.2 | 3.7 | 58% | |
| 185 | Shyambir | 15/12/17 | 11:18 am | Punit Nagar Chowk | M | Indira Circle | Riddhi Siddhi Society | G T Sheth School | Bike | W | Education | 8.7 | 7.5 | 1.2 | 86% | |
| 186 | Shyambir | 15/12/17 | 11:20 am | Punit Nagar Chowk | F | Nana Mava Chowk | Punit Nagar | Panchvati Society | Walk | W | Job | 5.6 | 3.7 | 1.9 | 66% | |
| 187 | Shyambir | 15/12/17 | 11:25 am | Punit Nagar Chowk | F | Indira Circle | Punit Nagar | G T Sheth School | Walk | W | Education | 5.9 | 5.2 | 0.7 | 88% | |
| 188 | Shyambir | 15/12/17 | 11:30 am | Goverdhan Chowk | F | Punit Nagar Chowk | West Zone Office | Girls Hostel, Gondal Road | Walk | W | Education | 5.6 | 4.2 | 1.4 | 75% | |
| 189 | Shyambir | 15/12/17 | 11:32 am | Goverdhan Chowk | F | Punit Nagar Chowk | West Zone Office | Girls Hostel, Gondal Road | Walk | W | Education | 5.6 | 4.2 | 1.4 | 75% | |
| 190 | Shyambir | 15/12/17 | 11:35 am | Goverdhan Chowk | F | Indira Circle | Nandanvan | G T Sheth School | Walk | W | Education | 5.8 | 4.6 | 1.2 | 79% | |
| 191 | Shyambir | 15/12/17 | 11:40 am | Goverdhan Chowk | F | Indira Circle | Nandanvan | Kansagara College | Walk | W | Education | 6.2 | 4.6 | 1.6 | 74% | |
| 192 | Shyambir | 15/12/17 | 11:42 am | Goverdhan Chowk | M | Indira Circle | Nandanvan | G T Sheth School | Walk | W | Education | 5.8 | 4.6 | 1.2 | 79% | |
| 193 | Shyambir | 15/12/17 | 11:45 am | Goverdhan Chowk | F | Gondal Chowk | Govindratn Banglow | Patel Nagar | Walk | A | Other | 6.2 | 1.2 | 5 | 19% | |
| 194 | Shyambir | 15/12/17 | 11:50 am | Goverdhan Chowk | F | Indira Circle | Madhav Park | Kotecha Nagar | Walk | W | Education | 5.4 | 4.6 | 0.8 | 85% | |
| 195 | Shyambir | 15/12/17 | 11:55 am | Goverdhan Chowk | F | Indira Circle | SukhSagar Apartment | Kansagara College | Walk | W | Education | 5.45 | 4.6 | 0.85 | 84% | |
| 196 | Shyambir | 15/12/17 | 11:58 am | Goverdhan Chowk | M | Ayodhya Chowk | Labhubhai College | Ayodhya | Walk | W | Education | 11.7 | 8.5 | 3.2 | 73% | |

8.3.2 Other than Bus O-D Survey form

| | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| O-D Survey "Technical Study of the existing BRTS corridor for the last mile connectivity and pre-feasibility of potential electrification of the corridor in Rajkot" | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

| S. no | Surveyor | Date | Time | Junction | Arm - Road Name or BRT to N or BRT to S | M/F | Mode - Car (C), 2 W (S), Auto (A), Shared Auto (SA), Bicycle (B), Walk (W) | Origin | Destination | Dir. (L/R/C) | Next turn junction | Purpose - Work (W), Education (E), Recreation (R) | Occ up. | Distan ce | On the corridor | Off the corridor | Percent of route on the corridor | Commen ts |
|-------|----------|------------|-------|----------|---|-------|--|---------------------|-----------------------|--------------|-----------------------|---|---------|-----------|-----------------|------------------|----------------------------------|----------------|
| 1 | Sandeep | 14-12-2017 | 08:45 | KKV | BRT N | M | B | Ramapir Chowkdi | Nana Mauva | C | End | W | 1 | 4.8 | 3.65 | 1.15 | 76.04% | |
| 2 | Sandeep | 14-12-2017 | 08:47 | KKV | BRT N | M,F | SA | Raiya | Vajdi | R | Straight | W | 2 | 11.4 | 1.8 | 9.6 | 15.79% | Transit |
| 3 | Sandeep | 14-12-2017 | 08:49 | KKV | BRT N | M | SA | Indira Circle | Gondal Chowkdi | C | Straight | W | 2 | 6.4 | 6.4 | 0 | 100.00% | Transit |
| 4 | Sandeep | 14-12-2017 | 08:51 | KKV | BRT N | M,M | W | Raiya Chokdi | Grace College | R | Straight | E | 2 | 5.3 | 1.75 | 3.55 | 33.02% | Change to Auto |
| 5 | Sandeep | 14-12-2017 | 08:53 | KKV | BRT N | M | W | Indira Circle | KKV | L | Straight | W | 1 | 0.4 | 0.4 | 0 | 100.00% | |
| 6 | Sandeep | 14-12-2017 | 08:55 | KKV | BRT N | M | B | Indira Circle | KKV | L | Straight | W | 1 | 0.4 | 0.4 | 0 | 100.00% | |
| 7 | Sandeep | 14-12-2017 | 09:00 | KKV | BRT N | M | W | Indira Circle | KKV | L | Straight | W | 1 | 0.4 | 0.4 | 0 | 100.00% | |
| 8 | Sandeep | 14-12-2017 | 09:05 | KKV | BRT N | M,M | S | Raiya Tel. Exch | Bhavnagar Road | L | KKV | W | 2 | 7 | 1 | 6 | 14.29% | |
| 9 | Sandeep | 14-12-2017 | 09:08 | KKV | BRT N | F | W | Raiya Tel. Exch | KKV | L | End | W | 1 | 1.1 | 1 | 0.1 | 90.91% | |
| 10 | Sandeep | 14-12-2017 | 09:11 | KKV | BRT N | F | SA | Ramapir Chowkdi | KKV | L | End | W | 1 | 2.9 | 2.8 | 0.1 | 96.55% | |
| 11 | Sandeep | 14-12-2017 | 09:15 | KKV | BRT N | M,M | SA | Ramapir Chowkdi | Gondal Chowk | C | End | W | 2 | 8.9 | 8.9 | 0 | 100.00% | |
| 12 | Sandeep | 14-12-2017 | 09:20 | KKV | BRT S | M | SA | Mavdi | Raiya Circle | C | Straight | W | 1 | 5.55 | 4.55 | 1 | 81.98% | |
| 13 | Sandeep | 14-12-2017 | 09:23 | KKV | BRT S | M | SA | Laxmi Nagar | Metoda | L | Straight | W | 1 | 14.1 | 1.35 | 12.75 | 9.57% | Change to auto |
| 14 | Sandeep | 14-12-2017 | 09:40 | KKV | Kotecha Circle Road | M | C | Kotaya | Indira Circle | R | End | W | 1 | 100 | 0.4 | 99.6 | 0.40% | Intercity |
| 15 | Sandeep | 14-12-2017 | 09:42 | KKV | Kotecha Circle Road | M,M,M | C | Bus Stand | Kalavad Road | C | End | PW | 3 | 8.5 | 0 | 8.5 | 0.00% | |
| 16 | Sandeep | 14-12-2017 | 09:43 | KKV | Kotecha Circle Road | M | S | Rashtriya Shala | Axis Bank, KKV | R | End | W | 1 | 3.4 | 0.01 | 3.39 | 0.29% | |
| 17 | Sandeep | 14-12-2017 | 09:44 | KKV | Kotecha Circle Road | M,M | C | Ranchod Ngr Society | Big Bazaar, Ring Road | L | End | PW | 2 | 6.7 | 0.77 | 5.93 | 11.49% | |
| 18 | Sandeep | 14-12-2017 | 09:45 | KKV | BRT S | M | C | Mavdi Chokdi | Kalavad | L | End | W | 1 | 47.1 | 2.9 | 44.2 | 6.16% | Intercity |
| 19 | Sandeep | 14-12-2017 | 09:48 | KKV | BRT S | M | S | Gondal Cowkdi | KKV | L | End | W | 1 | 6 | 6 | 0 | 100.00% | |
| 20 | Sandeep | 14-12-2017 | 09:50 | KKV | BRT S | M | C | Kalawad | Madhapar | C | Straight | R | 2 | 51.2 | 5.2 | 46 | 10.16% | Intercity |
| 21 | Sandeep | 14-12-2017 | 09:51 | KKV | Kalawad Road | M | S | University | KKV | C | End | W | 1 | 6.6 | 0 | 6.6 | 0.00% | |
| 22 | Sandeep | 14-12-2017 | 09:52 | KKV | Kalawad Road | M,M | S | Kasturi Residency | Danapith | C | Race Course | W | 2 | 9.3 | 0 | 9.3 | 0.00% | |
| 23 | Sandeep | 14-12-2017 | 09:55 | KKV | Kalawad Road | M,M | S | Atmia College | Indira Circle | L | Indira Circle - right | W | 2 | 0.95 | 0.25 | 0.7 | 26.32% | |
| 24 | Sandeep | 14-12-2017 | 09:57 | KKV | BRT N | M | C | Kalawad | Gondal | C | End | W | 1 | 26.7 | 6.45 | 20.25 | 24.16% | |
| 25 | Sandeep | 14-12-2017 | 09:59 | KKV | BRT N | M | C | Sadhu Vaswani Road | Shapar | C | End | W | 1 | 18 | 6.7 | 11.3 | 37.22% | |
| 26 | Sandeep | 14-12-2017 | 10:01 | KKV | BRT N | M,M,M | C | Raiya Circle | Mavdi Chawkdi | C | End | W | 3 | 5.2 | 5 | 0.2 | 96.15% | |

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|----|---------|------------|-------|-----------------|---------------------|---------|----|----------------------------------|--------------------|---|-----------------------|----|---|------|------|------|---------|-----------------------------------|
| 27 | Sandeep | 14-12-2017 | 10:10 | Indira Circle | Kotecha Circle Road | M | S | P D Malaviya College of Commerce | University | C | University (Right) | W | 1 | 6.9 | 0 | 6.9 | 0.00% | |
| 28 | Sandeep | 14-12-2017 | 10:13 | Indira Circle | Kotecha Circle Road | M,M | S | Kotecha Circle | Panchayat Chowk | C | End | W | 2 | 1.5 | 0 | 1.5 | 0.00% | |
| 29 | Sandeep | 14-12-2017 | 10:15 | Indira Circle | Kotecha Circle Road | M,M | S | Vidya Nagar Main Road | Aakashwani Chowk | C | End | PW | 2 | 4.4 | 0 | 4.4 | 0.00% | |
| 30 | Sandeep | 14-12-2017 | 10:18 | Indira Circle | BRT N | M | S | Rail Nagar | KKV Hall | C | End | W | 1 | 4.64 | 1.73 | 2.91 | 37.28% | |
| 31 | Sandeep | 14-12-2017 | 10:19 | Indira Circle | BRT N | M,M | S | Amruta Society | Dharmendra Road | L | Astron (L) | W | 2 | 4.65 | 0.65 | 4 | 13.98% | |
| 32 | Sandeep | 14-12-2017 | 10:20 | Indira Circle | BRT N | M | S | Shiv Sangam Society | Indira Circle | L | End | PW | 1 | 0.52 | 0.21 | 0.31 | 40.38% | |
| 33 | Sandeep | 14-12-2017 | 10:21 | Indira Circle | University Road | M,F | SA | Saurashtra University | KKV | R | End | W | 2 | 2.6 | 0.35 | 2.25 | 13.46% | |
| 34 | Sandeep | 14-12-2017 | 10:23 | Indira Circle | University Road | M | S | Bapa Sitaram Chowk | Kotharia | C | Mahila College Circle | PW | 1 | 13.7 | 0 | 13.7 | 0.00% | Taken a detour to avoid ring road |
| 35 | Sandeep | 14-12-2017 | 10:26 | Indira Circle | University Road | M,M,F,F | C | Aakashwani Chowk | Vapi | C | | PW | 4 | 545 | 0 | 545 | 0.00% | Intercity |
| 36 | Sandeep | 14-12-2017 | 10:30 | Indira Circle | BRT S | M | S | Amruta Society | Panchayat Chowk | L | End | W | 1 | 1.8 | 0.24 | 1.56 | 13.33% | |
| 37 | Sandeep | 14-12-2017 | 10:33 | Indira Circle | BRT S | M,M,M,M | SA | Amin Marg | Badri Park | C | End | W | 4 | 13.1 | 4.2 | 8.9 | 32.06% | |
| 38 | Sandeep | 14-12-2017 | 11:00 | Raiya Tel. Exch | BRT S | M | S | KKV | Raiya Circle | C | Straight | W | 1 | 2.2 | 2.2 | 0 | 100.00% | |
| 39 | Sandeep | 14-12-2017 | 11:01 | Raiya Tel. Exch | BRT S | M | C | Mavdi Chokdi | Madhapar | C | End | W | 1 | 8.5 | 8.5 | 0 | 100.00% | |
| 40 | Sandeep | 14-12-2017 | 11:02 | Raiya Tel. Exch | BRT S | M,M | S | Mavdi Chokdi | Popatpara | C | End | E | 2 | 13.5 | 8.5 | 5 | 62.96% | |
| 41 | Sandeep | 14-12-2017 | 11:03 | Raiya Tel. Exch | BRT S | M | S | Raiya Tel. Exch. | Somnath Society | C | Straight | W | 1 | 0.26 | 0.16 | 0.1 | 61.54% | |
| 42 | Sandeep | 14-12-2017 | 11:04 | Raiya Tel. Exch | BRT S | M | S | Dhamsaniya Commerce College | Ramapir Chowkdi | C | Straight | E | 1 | 3.5 | 2.65 | 0.85 | 75.71% | |
| 43 | Sandeep | 14-12-2017 | 11:04 | Raiya Tel. Exch | BRT S | M | S | RMC West Zone | Kidwai Nagar | C | Left | W | 1 | 2.8 | 2.28 | 0.52 | 81.43% | |
| 44 | Sandeep | 14-12-2017 | 11:05 | Raiya Tel. Exch | BRT W | M | C | Raiya Tel. Exchange | Collectors office | C | | W | 1 | 4.3 | 0 | 4.3 | 0.00% | |
| 45 | Sandeep | 14-12-2017 | 11:06 | Raiya Tel. Exch | BRT W | M | C | Hari Nagar | SBI Raiya Road | L | Raiya Circle | W | 1 | 3 | 0.8 | 2.2 | 26.67% | |
| 46 | Sandeep | 14-12-2017 | 11:07 | Raiya Tel. Exch | BRT N | M | S | Saraswati Park | Kalawad Road | C | KKV (R0 | PW | 1 | 3.2 | 1.8 | 1.4 | 56.25% | |
| 47 | Sandeep | 14-12-2017 | 11:09 | Raiya Tel. Exch | BRT N | M | S | Gandhigram | Punit Nagar | C | Straight | W | 1 | 8.7 | 7.2 | 1.5 | 82.76% | |
| 48 | Sandeep | 14-12-2017 | 11:11 | Raiya Tel. Exch | BRT N | M | S | Gandhigram | Indira Circle | C | End | W | 1 | 2.7 | 0.8 | 1.9 | 29.63% | |
| 49 | Sandeep | 14-12-2017 | 11:13 | Raiya Tel. Exch | BRT N | M | S | Veja Gam | Sadhu Vaswani Road | R | Straight | W | 1 | 9.7 | 0.8 | 8.9 | 8.25% | |
| 50 | Sandeep | 14-12-2017 | 11:15 | Raiya Tel. Exch | BRT N | M | S | Raiya Village | KKV | C | Straight | W | 1 | 4.3 | 1.9 | 2.4 | 44.19% | |
| 51 | Sandeep | 14-12-2017 | 11:17 | Raiya Tel. Exch | BRT N | M | C | Raiya Village | Amreli | C | Nanamua (L) | W | 1 | 116 | 3 | 113 | 2.59% | Intercity |
| 52 | Sandeep | 15-12-2017 | 09:50 | Raiya Circle | BRT S | M,M | S | Ranuja Temple | Raiya Village | L | Straight | W | 2 | 13.3 | 7.65 | 5.65 | 57.52% | |
| 53 | Sandeep | 15-12-2017 | 09:52 | Raiya Circle | BRT S | M | C | Amin Marg | Ratanpar Village | C | Madhapar | W | 1 | 20.9 | 4.7 | 16.2 | 22.49% | |

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|----|---------|------------|----------|----------------|--------------|-----|-----|----------------------------|----------------------|---|------------------|----|---|------|------|-------|---------|----------------------------------|
| 54 | Sandeep | 15-12-2017 | 09:53 | Raiya Circle | BRT S | M | S | University Road | Raiya Circle | L | End | W | 1 | 3 | 1.5 | 1.5 | 50.00% | |
| 55 | Sandeep | 15-12-2017 | 09:55 | Raiya Circle | BRT W | M | S | Ridhi Sidhi Park | Aalap Green City | C | Race Course | W | 1 | 6.8 | 0 | 6.8 | 0.00% | |
| 56 | Sandeep | 15-12-2017 | 09:57 | Raiya Circle | BRT W | M | C | University | Ruda Transport Nagar | L | Madhapar (S) | W | 1 | 18.5 | 3.3 | 15.2 | 17.84% | Avoiding Flyover construction |
| 57 | Sandeep | 15-12-2017 | 09:59 | Raiya Circle | BRT W | M,F | A | Raiya Village | Moti Tanki Chowk | C | End | W | 2 | 5.4 | 0 | 5.4 | 0.00% | |
| 58 | Sandeep | 15-12-2017 | 10:00 | Raiya Circle | BRT W | M | S | Maya Nagar | Trikon Baug | C | Nimra Chowk | W | 1 | 4.6 | 0 | 4.6 | 0.00% | |
| 59 | Sandeep | 15-12-2017 | 10:02 | Raiya Circle | BRT W | M | s | Sadhu Vaswani Road | Trikon Baug | C | Race Course | W | 1 | 5.2 | 0 | 5.2 | 0.00% | |
| 60 | Sandeep | 15-12-2017 | 10:10 | Nanavati Chowk | Airport Road | M | C | Gandhigram | Morbi | R | Madhapar | PW | 1 | 65.9 | 2.8 | 63.1 | 4.25% | Intercity |
| 61 | Sandeep | 15-12-2017 | 10:12 | Nanavati Chowk | Airport Road | M | S | Gandhigram | Sath Hanuman | R | Madhapar | PW | 1 | 15.8 | 2.8 | 13 | 17.72% | |
| 62 | Sandeep | 15-12-2017 | 10:15 | Nanavati Chowk | Airport Road | M | S | Gandhi Nagar | Indira Circle | L | End | W | 1 | 2.5 | 2.2 | 0.3 | 88.00% | |
| 63 | Sandeep | 15-12-2017 | 10:18 | Nanavati Chowk | Airport Road | F,C | A | Gandhigram | Giriraj Hospital | L | End | PW | 2 | 4 | 3.6 | 0.4 | 90.00% | |
| 64 | Sandeep | 15-12-2017 | 10:25 | Nanavati Chowk | BRT N | M | S | Gandhigram | Nanavati Chowk | C | End | PW | 1 | 0.6 | 0.3 | 0.3 | 50.00% | |
| 65 | Sandeep | 15-12-2017 | 10:27 | Nanavati Chowk | BRT N | M | S | Gandhigram | Head Post office | C | Raiya Circle (L) | PW | 1 | 4.3 | 0.75 | 3.55 | 17.44% | |
| 66 | Sandeep | 15-12-2017 | 10:29 | Nanavati Chowk | BRT N | M | S | Gandhigram | Kalawad Road | C | Raiya Circle (R) | W | 1 | 5.19 | 0.5 | 4.69 | 9.63% | Taking detour because of flyover |
| 67 | Sandeep | 15-12-2017 | 10:31 | Nanavati Chowk | BRT N | M | S | Madhapar | Nanavati Chowk | R | End | W | 1 | 2.8 | 2.8 | 0 | 100.00% | |
| 68 | Sandeep | 15-12-2017 | 10:33 | Nanavati Chowk | BRT N | M,F | C | Gandhigram | Jaitpur | C | Gondal (S) | PW | 2 | 76.1 | 8.5 | 67.6 | 11.17% | Intercity |
| 69 | Kanica | 14-12-2017 | 08:20a m | KKV Bus Stop | E-W | M | W | Raiya Chowk | KKV Chowk | L | Indira Circle | W | 2 | 1.8 | 1.8 | 0 | 100% | Waiting for Bus |
| 70 | Kanica | 14-12-2017 | 08:20a m | KKV Bus Stop | E-W | M | W | Raiya Chowk | Metoda | C | AG Chowk | W | 1 | 14.9 | 2.25 | 12.65 | 15% | Waiting for Bus |
| 71 | Kanica | 14-12-2017 | 08:23a m | KKV Bus Stop | E-W | M | W | Balaji, Panchavati Society | VVP Engg. College | C | AG Chowk | E | 1 | 8.5 | 0 | 8.5 | 0% | Waiting for Bus - ITI student |
| 72 | Kanica | 14-12-2017 | 08:26a m | KKV Bus Stop | E-W | F | S | Nirmala Convent | Padadhari | C | Madhapar | W | 1 | 27.6 | 2.7 | 24.9 | 10% | |
| 73 | Kanica | 14-12-2017 | 08:30a m | KKV Bus Stop | W-E | F | SA | Khirasara Palace | Gandhigram | L | Indira Circle | PW | 1 | 16.9 | 2.2 | 14.7 | 13% | |
| 74 | Kanica | 14-12-2017 | 08:34a m | KKV Bus Stop | W-E | M | SA | Kankot | Astha Hospital | R | Big Bazaar | W | 1 | 10.7 | 2.8 | 7.9 | 26% | |
| 75 | Kanica | 14-12-2017 | 08:37a m | KKV Bus Stop | W-E | M | S | Kendriya Vidyalaya | Devraj Donga | C | Kotecha | PW | 1 | 4.9 | 0 | 4.9 | 0% | |
| 76 | Kanica | 14-12-2017 | 08:40a m | KKV Bus Stop | W-E | M | SA | Metoda | Jetpur | R | Big Bazaar | PW | 1 | 79.6 | 6.6 | 73 | 8% | Intercity |
| 77 | Kanica | 14-12-2017 | 08:42a m | KKV Bus Stop | W-E | M | SA | Rani Tower | Virani Chowk | C | Kotecha | PW | 2 | 5.5 | 0 | 5.5 | 0% | |
| 78 | Kanica | 14-12-2017 | 08:45a m | KKV Bus Stop | E-W | F | BUS | Kalawad Road | Alap | C | Crystal Mall | PW | 1 | 3.4 | 0 | 3.4 | 0% | |
| 79 | Kanica | 14-12-2017 | 08:47a m | KKV Bus Stop | W-E | M | SA | Rani Tower | Wockhardt Hospital | C | Kotecha | W | 3 | 2.1 | 0 | 2.1 | 0% | |
| 80 | Kanica | 14-12-2017 | 08:47a m | KKV Bus Stop | W-E | M | SA | Metoda | Civil Hospital | C | Kotecha | PW | 2 | 16.5 | 0 | 16.5 | 0% | |

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|-----|--------|------------|-------------|--------------|-----|---|-----|----------------------|-------------------------------------|---|---------------|----|---|------|------|--------|-----|---|
| 81 | Kanica | 14-12-2017 | 08:50a m | KKV Bus Stop | N-S | M | SA | Alap city | Giriraj Hospital | C | Big Bazaar | W | 1 | 4.4 | 3 | 1.4 | 68% | |
| 82 | Kanica | 14-12-2017 | 08:52a m | KKV Bus Stop | W-E | F | SA | Anand par | Trikon Bagh | C | Kotecha | W | 1 | 27.4 | 0 | 27.4 | 0% | |
| 83 | Kanica | 14-12-2017 | 08:54a m | KKV Bus Stop | E-W | F | SA | Devpara | Mahila ITI | C | Crystal Mall | E | 1 | 10.4 | 0 | 10.4 | 0% | |
| 84 | Kanica | 14-12-2017 | 08:55a m | KKV Bus Stop | E-W | M | SA | Nilkanth Cinema | Marwadi University | R | Indira Circle | E | 1 | 19.7 | 4.7 | 15 | 24% | |
| 85 | Kanica | 14-12-2017 | 08:56a m | KKV Bus Stop | E-W | M | Bus | Mavdi | Metoda | C | Crystal Mall | W | 1 | 17.4 | 2.8 | 14.6 | 16% | Came by bike, was waiting for company bus |
| 86 | Kanica | 14-12-2017 | 08:57a m | KKV Bus Stop | E-W | F | Bus | Thorada | Equity Hyundai | R | Indira Circle | W | 1 | 7.3 | 0 | 7.3 | 0% | |
| 87 | Kanica | 14-12-2017 | 08:59a m | KKV Bus Stop | E-W | M | S | Laxmi wadi | Khirasara Gaon | C | Crystal Mall | W | 2 | 18.6 | 0 | 18.6 | 0% | |
| 88 | Kanica | 14-12-2017 | 09:00a m | KKV Bus Stop | E-W | F | W | Kotecha | Balaji Hall | L | Big Bazaar | W | 1 | 2.8 | 2 | 0.8 | 71% | |
| 89 | Kanica | 14-12-2017 | 09:02a m | KKV Bus Stop | E-W | M | A | Swami Narayan Mandir | Gondal chokdi | L | Big Bazaar | W | 1 | 7.4 | 6 | 1.4 | 81% | |
| 90 | Kanica | 14-12-2017 | 09:03a m | KKV Bus Stop | E-W | M | SA | Surat | Global girls hostel, gold residency | R | Indira Circle | W | 1 | 452 | 0.15 | 451.85 | 0% | Inter-city Came to Nana mova by BRTS then took SA |
| 91 | Kanica | 14-12-2017 | 09:04a m | KKV Bus Stop | E-W | M | SA | Mavdi | Metoda | C | Crystal Mall | W | 1 | 17.5 | 0 | 17.5 | 0% | Came in Auto |
| 92 | Kanica | 14-12-2017 | 09:05a m | KKV Bus Stop | E-W | M | S | Punit Nagar | Metoda | C | Crystal Mall | W | 2 | 17.5 | 4.65 | 12.85 | 27% | |
| 93 | Kanica | 14-12-2017 | 09:07a m | KKV Bus Stop | E-W | F | Bus | Gondal Road | B.H Gardi college | C | Crystal Mall | E | 1 | 31.3 | 5.8 | 25.5 | 19% | came in bike now waiting for STU Bus |
| 94 | Kanica | 14-12-2017 | 09:10a m | KKV Bus Stop | E-W | M | S | Telephone exchange | Kalawad gaon | C | Crystal Mall | W | 2 | 22.4 | 1 | 21.4 | 4% | |
| 95 | Kanica | 14-12-2017 | 09:12a m | KKV Bus Stop | E-W | F | SA | Hudco chowkdi | Metoda | C | Crystal Mall | W | 1 | 21 | 5.8 | 15.2 | 28% | |
| 96 | Kanica | 14-12-2017 | 09:15a m | KKV Bus Stop | E-W | M | S | Kalawad Road | Gondal chokdi | L | Big Bazaar | W | 2 | 27.3 | 5.8 | 21.5 | 21% | |
| 97 | Kanica | 14-12-2017 | 09:22a m | KKV Bus Stop | W-E | M | W | Nana Mauva | Laxmi wadi | C | Kotecha | PW | 1 | 6 | 1.3 | 4.7 | 22% | W-S |
| 98 | Kanica | 14-12-2017 | 09:25a m | KKV Bus Stop | W-E | F | A | Sadhura swami | Near Astron chowk | C | Kotecha | W | 1 | 4.1 | 0.3 | 3.8 | 7% | A-SA |
| 99 | Kanica | 14-12-2017 | 09:27a m | KKV Bus Stop | W-E | M | SA | Kings craft hotel | Junagarh | R | Big Bazaar | W | 2 | 104 | 5.8 | 98.2 | 6% | Intercity - SA-BUS |
| 100 | Kanica | 14-12-2017 | 09:30a m | KKV Bus Stop | W-E | M | SA | Metoda | Bhakti Nagar Circle | C | Kotecha | PW | 1 | 16.6 | 0 | 16.6 | 0% | SA-W-Train |
| 101 | Kanica | 14-12-2017 | 09:33a m | KKV Bus Stop | W-E | M | SA | Metoda | Gondal chokdi | R | Big Bazaar | W | 1 | 19.4 | 5.8 | 13.6 | 30% | SA-W-SA |
| 102 | Kanica | 14-12-2017 | 09:35a m | KKV Bus Stop | W-E | M | SA | Mota mauva | Gondal chokdi | R | Big Bazaar | W | 1 | 9.9 | 5.8 | 4.1 | 59% | |
| 103 | Kanica | 14-12-2017 | 09:37a m | KKV Bus Stop | E-W | M | C | Limbdi | AG Chowk | C | Crystal Mall | W | 2 | 119 | 0 | 119 | 0% | Intercity |
| 104 | Kanica | 14-12-2017 | 09:40a m | KKV Bus Stop | E-W | M | C | Pulchhab Chowk | Iskon Mall | L | Big Bazaar | W | 1 | 4.7 | 1.9 | 2.8 | 40% | |

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|-----|--------|------------|---------|--------------------------|-----|---|---|--------------------------|--------------------------|---|--------------------------|----|---|-------|------|------|------|-----------|
| 105 | Kanica | 14-12-2017 | 09:42am | KKV Bus Stop | E-W | M | S | Shree hari | Atmiya College | C | Crystal Mall | E | 2 | 5 | 0 | 5 | 0% | |
| 106 | Kanica | 14-12-2017 | 09:44am | KKV Bus Stop | E-W | M | S | Kotecha | Nana Mauva | L | Big Bazaar | W | 1 | 2.2 | 1.4 | 0.8 | 64% | |
| 107 | Kanica | 14-12-2017 | 09:45am | KKV Bus Stop | S-N | M | C | Gondal | Raiya chowkdi | C | Indira Circle | PW | 3 | 40.7 | 8.7 | 32 | 21% | Intercity |
| 108 | Kanica | 14-12-2017 | 09:47am | KKV Bus Stop | S-N | M | C | Sanskriti Apartment | Indira circle | C | KKV Chowk | PW | 1 | 0.6 | 0.5 | 0.1 | 83% | |
| 109 | Kanica | 14-12-2017 | 09:48am | KKV Bus Stop | W-E | M | S | Crystal Mall | Kotecha | C | Kotecha | PW | 1 | 2.1 | 0 | 2.1 | 0% | |
| 110 | Kanica | 14-12-2017 | 09:50am | KKV Bus Stop | W-E | M | S | Kalawad Road | Kothariya | R | Big Bazaar | W | 1 | 14.5 | 5.85 | 8.65 | 40% | |
| 111 | Kanica | 14-12-2017 | 10:00am | KKV Bus Stop | N-S | M | S | Gandhigram | Kalawad Road | R | Crystal Mall | W | 1 | 8.8 | 2.2 | 6.6 | 25% | |
| 112 | Kanica | 14-12-2017 | 10:02am | KKV Bus Stop | N-S | M | S | Raiya circle | KKV Hall | R | Crystal Mall | W | 1 | 2 | 2 | 0 | 100% | |
| 113 | Kanica | 14-12-2017 | 10:05am | KKV Bus Stop | N-S | M | S | Raiya circle | KKV Hall | R | Crystal Mall | PW | 1 | 2 | 2 | 0 | 100% | |
| 114 | Kanica | 14-12-2017 | 10:12am | Indira Circle | N-S | M | S | Raiya Telephone exchange | Wockhardt Hospital | C | KKV Chowk | W | 1 | 1.2 | 0.85 | 0.35 | 71% | 15th dec |
| 115 | Kanica | 14-12-2017 | 10:15am | Indira Circle | S-N | M | S | School of Science | Panchayat Nagar | L | Panchayat Chowk | W | 1 | 1.5 | 0.27 | 1.23 | 18% | |
| 116 | Kanica | 14-12-2017 | 10:17am | Indira Circle | S-N | M | S | Mota mava | Chimanbhai Flyover | C | Raiya Telephone Exchange | W | 1 | 4.9 | 1.5 | 3.4 | 31% | |
| 117 | Kanica | 14-12-2017 | 10:20am | Indira Circle | W-E | M | S | Kalawad Road | Jagnath | C | Kotecha | W | 1 | 26 | 0 | 26 | 0% | |
| 118 | Kanica | 14-12-2017 | 11:25am | Raiya Telephone Exchange | W-E | M | S | Panchayat Nagar | Ganesha Industries | R | Indira Circle | PW | 1 | 10.15 | 0.65 | 9.5 | 6% | |
| 119 | Kanica | 14-12-2017 | 11:27am | Raiya Telephone Exchange | W-E | M | S | Kotecha | Somnath Society | C | Indira Circle | PW | 1 | 1.8 | 0.85 | 0.95 | 47% | |
| 120 | Kanica | 14-12-2017 | 11:30am | Raiya Telephone Exchange | E-W | M | C | Somnath Mahadev Temple | Mota Mava | L | KKV Chowk | PW | 1 | 5.51 | 1.8 | 3.71 | 33% | |
| 121 | Kanica | 14-12-2017 | 11:33am | Raiya Telephone Exchange | E-W | F | S | Krishna Hospital | Sadhuvaswani Road | C | Jay Gopal chowk | PW | 1 | 2.5 | 2.5 | 0 | 100% | |
| 122 | Kanica | 14-12-2017 | 6:20pm | Nana Mava Chowk | S-N | M | B | GIDC Udhyog Nagar | Nana Mava | L | Aashapura Temple | W | 1 | 3.6 | 0.3 | 3.3 | 8% | |
| 123 | Kanica | 14-12-2017 | 6:22pm | Nana Mava Chowk | S-N | M | S | Mavdi | Balaji Wafers | L | Aashapura Temple | W | 1 | 11.5 | 1.4 | 10.1 | 12% | |
| 124 | Kanica | 14-12-2017 | 6:24pm | Nana Mava Chowk | S-N | M | S | Gondal | Sadhuvaswani Road | C | West Zone BRTs Stop | W | 1 | 8.1 | 6.8 | 1.3 | 84% | |
| 125 | Kanica | 14-12-2017 | 6:25pm | Nana Mava Chowk | S-N | M | B | Gokuldham Society | Raiya Chowkdi | C | West Zone BRTs Stop | W | 1 | 5.76 | 5.11 | 0.65 | 89% | |
| 126 | Kanica | 14-12-2017 | 6:26pm | Nana Mava Chowk | W-E | M | S | Shastri nagar | Vijay Plot | C | Laxmi Nagar Chowk | W | 1 | 10.4 | 4.16 | 6.24 | 40% | |
| 127 | Kanica | 14-12-2017 | 6:27pm | Nana Mava Chowk | W-E | M | S | Junagarh | Raiya Telephone Exchange | L | West Zone BRTs Stop | PW | 2 | 76.2 | 2.2 | 74 | 3% | Intercity |

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|-----|--------|------------|---------|-----------------|-----|---|----|----------------------|----------------------------|---|-----------------------------|----|---|------|------|------|-----|-----------|
| 128 | Kanica | 14-12-2017 | 6:28pm | Nana Mava Chowk | W-E | M | S | Nana Mauva | Astron Chowk | C | Raj Nagar Chowk | W | 1 | 4.2 | 0 | 4.2 | 0% | |
| 129 | Kanica | 14-12-2017 | 6:29pm | Nana Mava Chowk | W-E | M | S | Ambika Township | Astron Chowk | C | Raj Nagar Chowk | W | 1 | 6.9 | 0 | 6.9 | 0% | |
| 130 | Kanica | 14-12-2017 | 6:30pm | Nana Mava Chowk | W-E | M | S | Police HQ Mavdi | Astron Chowk | C | Raj Nagar Chowk | E | 1 | 6 | 0 | 6 | 0% | |
| 131 | Kanica | 15-12-2017 | 09:10am | Raiya Circle | N-S | M | B | Sadhuvaswani Road | Sheetal Park | C | Nanavati Chowk | W | 1 | 4.4 | 1.63 | 2.77 | 37% | |
| 132 | Kanica | 15-12-2017 | 09:12am | Raiya Circle | N-S | M | S | Raiya Chokdi | Unnati School | C | Nanavati Chowk | W | 1 | 11.9 | 7.1 | 4.8 | 60% | |
| 133 | Kanica | 15-12-2017 | 09:15am | Raiya Circle | E-W | M | B | Shivpara | Sadhuvaswani Road | C | Alap Chowk | PW | 1 | 2.8 | 0 | 2.8 | 0% | |
| 134 | Kanica | 15-12-2017 | 09:20am | Raiya Circle | E-W | M | S | Kuvadva road | Delta Auto Engineers | L | Alap Chowk | PW | 1 | 16.6 | 0 | 16.6 | 0% | |
| 135 | Kanica | 15-12-2017 | 09:22am | Raiya Circle | E-W | M | S | Gandhigram | KKV Hall | L | Raiya Circle | W | 1 | 5.12 | 3 | 2.12 | 59% | |
| 136 | Kanica | 15-12-2017 | 09:25am | Raiya Circle | E-W | M | C | Krishna Kunj Society | Christ Hospital | R | Nanavati - towards sterling | W | 1 | 5.5 | 3.13 | 2.37 | 57% | |
| 137 | Kanica | 15-12-2017 | 09:30am | Raiya Circle | E-W | F | SA | Ajay Chowk | Raiyadhar | R | Ayodhya Chowk | W | 1 | 4.5 | 1.15 | 3.35 | 26% | |
| 138 | Kanica | 15-12-2017 | 09:35am | Raiya Circle | E-W | M | S | Hanuman Vati | Raiya | C | Alap Chowk | W | 1 | 3 | 0 | 3 | 0% | |
| 139 | Kanica | 15-12-2017 | 09:40am | Raiya Circle | N-S | M | S | Gandhigram | Mota Mava | R | KKV Hall | W | 1 | 6.2 | 2.15 | 4.05 | 35% | |
| 140 | Kanica | 15-12-2017 | 09:50am | Raiya Circle | N-S | M | B | Raiyadhar | Bandhani Ghar | L | Hanuman Vati | W | 1 | 6.8 | 1.1 | 5.7 | 16% | |
| 141 | Kanica | 15-12-2017 | 09:52am | Raiya Circle | N-S | F | SA | Ramapir Chowk | Punit Nagar | C | Nanavati Chowk | W | 1 | 9.3 | 7.9 | 1.4 | 85% | |
| 142 | Kanica | 15-12-2017 | 09:55am | Raiya Circle | N-S | M | S | Ayodhya Chowk | Rajkot Central Bus Station | L | Hanuman Vati | W | 1 | 6.7 | 2.45 | 4.25 | 37% | |
| 143 | Kanica | 15-12-2017 | 10:00am | Raiya Circle | N-S | F | S | Gandhigram | Civil Hospital | L | Hanuman Vati | W | 1 | 5.3 | 0.46 | 4.84 | 9% | |
| 144 | Kanica | 15-12-2017 | 10:03am | Raiya Circle | N-S | M | S | Raj Bank, Nanavati | Atika Industries | L | Hanuman Vati | W | 2 | 8.1 | 5.1 | 3 | 63% | |
| 145 | Kanica | 15-12-2017 | 10:05am | Raiya Circle | N-S | M | C | Gandhigram | Vidya Nagar | C | Raiya Telephone Exchange | W | 2 | 6.2 | 1.9 | 4.3 | 31% | |
| 146 | Kanica | 15-12-2017 | 10:07am | Raiya Circle | N-S | M | C | Madhapar | Indira circle | C | Raiya Telephone Exchange | PW | 1 | 5.3 | 4.6 | 0.7 | 87% | |
| 147 | Kanica | 15-12-2017 | 10:10am | Nanavati Circle | S-N | M | B | Race Course | Raiyadhar | L | Ramapir Chowk | PW | 1 | 5.4 | 1.1 | 4.3 | 20% | |
| 148 | Kanica | 15-12-2017 | 10:12am | Nanavati Circle | S-N | F | SA | Nana Mauva | Sheetal Park | L | Ramapir Chowk | PW | 1 | 6.6 | 4.1 | 2.5 | 62% | |
| 149 | Kanica | 15-12-2017 | 10:13am | Nanavati Circle | S-N | F | SA | Indira Circle | Madhapar | C | Ramapir Chowk | W | 1 | 5.3 | 4.2 | 1.1 | 79% | |
| 150 | Kanica | 15-12-2017 | 10:15am | Nanavati Circle | S-N | M | C | Junagarh | Sterling Hospital | C | Ramapir Chowk | PW | 2 | 104 | 8.3 | 95.7 | 8% | intercity |
| 151 | Kanica | 15-12-2017 | 10:16am | Nanavati Circle | S-N | M | C | Hari Nagar | Sanosara | C | Ramapir Chowk | W | 4 | 27 | 3.3 | 23.7 | 12% | |
| 152 | Kanica | 15-12-2017 | 10:18am | Nanavati Circle | S-N | M | C | Airport | Ayodhya Chowk | C | Ramapir Chowk | W | 1 | 5.1 | 2.4 | 2.7 | 47% | |
| 153 | Kanica | 15-12-2017 | 10:19am | Nanavati Circle | S-N | M | S | Big Bazaar | Morbi | C | Ramapir Chowk | W | 1 | 67.8 | 5.6 | 62.2 | 8% | Intercity |
| 154 | Kanica | 15-12-2017 | 10:20am | Nanavati Circle | S-N | M | S | Raiya Chokdi | Shastri Nagar | C | Ramapir Chowk | W | 2 | 2.6 | 1.6 | 1 | 62% | |

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|-----|--------|------------|-------------|--------------------|-----|---|----|--------------------------------|--------------------------------|---|------------------------|----|---|------|------|------|-----|-----------|
| 155 | Kanica | 15-12-2017 | 10:22a m | Nanavati Circle | W-E | M | B | Raiya Nagar | Raiya Chokdi | R | Raiya Chokdi | PW | 1 | 3.15 | 0.45 | 2.7 | 14% | |
| 156 | Kanica | 15-12-2017 | 10:24a m | Nanavati Circle | W-E | M | C | Dwarkesh Park Mandir | Panchnath, Old city | C | Kanhaiya | W | 1 | 5.5 | 0 | 5.5 | 0% | |
| 157 | Kanica | 15-12-2017 | 10:25a m | Nanavati Circle | W-E | M | S | JMC | Wankaner | L | Nanavati | W | 1 | 69.7 | 2.7 | 67 | 4% | intercity |
| 158 | Kanica | 15-12-2017 | 10:26a m | Nanavati Circle | W-E | M | S | Satadhar Park | Brahma Samaj , Raiya Chokdi | R | Raiya Chokdi | PW | 1 | 1.1 | 0.1 | 1 | 9% | |
| 159 | Kanica | 15-12-2017 | 10:27a m | Nanavati Circle | W-E | M | C | Shanti Niketani | Wankaner | L | Nanavati | W | 3 | 67.5 | 2.7 | 64.8 | 4% | intercity |
| 160 | Kanica | 15-12-2017 | 10:28a m | Nanavati Circle | W-E | M | B | Raiya Nagar | Gandhigram | C | SK Chowk | PW | 1 | 3.5 | 0.45 | 3.05 | 13% | |
| 161 | Kanica | 15-12-2017 | 10:29a m | Nanavati Circle | W-E | M | C | Raiya Nagar | Madhapar | L | SK Chowk | W | 1 | 6.1 | 3.2 | 2.9 | 52% | |
| 162 | Kanica | 15-12-2017 | 10:30a m | Ramapir Chokdi | E-W | M | B | Gandhigram | Raiyadhar | C | SK Chowk | W | 1 | 2.3 | 0 | 2.3 | 0% | |
| 163 | Kanica | 15-12-2017 | 10:32a m | Ramapir Chokdi | E-W | M | C | Civil Hospital | Raiyadhar | C | Ramapir Chowk | PW | 1 | 5.9 | 0.5 | 5.4 | 8% | |
| 164 | Kanica | 15-12-2017 | 10:34a m | Ramapir Chokdi | E-W | F | A | Maruti Hall | Hanuman Madhi | L | Nanavati | W | 1 | 2 | 1.1 | 0.9 | 55% | |
| 165 | Kanica | 15-12-2017 | 10:35a m | Ramapir Chokdi | E-W | M | S | Civil Hospital | Cancer Hospital, Raiya | L | Nanavati | PW | 2 | 9.9 | 2.7 | 7.2 | 27% | |
| 166 | Kanica | 15-12-2017 | 10:36a m | Ramapir Chokdi | E-W | M | S | Bharti Nagar | Trikon Bagh | L | Nanavati | W | 1 | 4.7 | 1.1 | 3.6 | 23% | |
| 167 | Kanica | 15-12-2017 | 10:38a m | Ramapir Chokdi | E-W | M | B | Lakhno Bunglow | Raiya Telephone Exchange | L | Nanavati | W | 1 | 2.8 | 1.98 | 0.82 | 71% | |
| 168 | Kanica | 15-12-2017 | 10:40a m | Ramapir Chokdi | E-W | M | S | Rail Nagar | KKV Hall | L | Nanavati | PW | 1 | 8.4 | 3.3 | 5.1 | 39% | |
| 169 | Kanica | 15-12-2017 | 10:43a m | Ramapir Chokdi | E-W | M | C | Lakhno Bunglow | Madhapar | R | Sheetal Park | PW | 1 | 2.9 | 2.1 | 0.8 | 72% | |
| 170 | Kanica | 15-12-2017 | 10:44a m | Ramdev pir Rd | N-S | M | S | Rail Nagar | Block No. 27 | C | Raiya | W | 1 | 4.8 | 1.1 | 3.7 | 23% | |
| 171 | Kanica | 15-12-2017 | 10:46a m | Ramdev pir Rd | N-S | M | S | Rail Nagar | Sadhvaswani Road | R | Municipal Quarter | W | 1 | 8.4 | 1.6 | 6.8 | 19% | |
| 172 | Kanica | 15-12-2017 | 10:48a m | Ramdev pir Rd | N-S | F | SA | Ghanteshwa r | Sadar | L | Bajrangba li Circle | PW | 3 | 8.5 | 3.2 | 5.3 | 38% | |
| 173 | Kanica | 15-12-2017 | 10:50a m | Ramdev pir Rd | N-S | M | S | Bansidhar Park | Dhebar Road | C | Nanavati | W | 1 | 8.3 | 1.1 | 7.2 | 13% | |
| 174 | Kanica | 15-12-2017 | 10:52a m | Ramdev pir Rd | N-S | M | S | Ayodhya Park | Yagnik Road | C | Nanavati | W | 1 | 6.2 | 2.4 | 3.8 | 39% | |
| 175 | Kanica | 15-12-2017 | 10:53a m | Ramdev pir Rd | N-S | M | C | Madhapar | Raiya Circle | C | Nanavati | W | 1 | 3.9 | 3.2 | 0.7 | 82% | |
| 176 | Kanica | 15-12-2017 | 10:55a m | Ramdev pir Rd | N-S | M | B | Bharti Nagar | Amul | C | Nanavati | W | 1 | 11.3 | 5 | 6.3 | 44% | |
| 177 | Kanica | 15-12-2017 | 10:57a m | Ramdev pir Rd | N-S | M | C | Bajrangwadi | Imperial Height, Big Bazaar | C | Nanavati | W | 1 | 4.8 | 3.9 | 0.9 | 81% | |
| 178 | Kanica | 15-12-2017 | 10:58a m | Sheetal Park | E-W | M | S | Bajrangwadi | Ramdev Pir Chowk | L | Ramdev pir | PW | 2 | 1.4 | 0.5 | 0.9 | 36% | |
| 179 | Kanica | 15-12-2017 | 11:00a m | Sheetal Park | E-W | M | S | Jubilee Vegetable Market | Ayodhya Chowk | L | Tow Sheetal Park | PW | 2 | 5.4 | 0.5 | 4.9 | 9% | |
| 180 | Kanica | 15-12-2017 | 11:03a m | Sheetal Park | E-W | F | A | Airport | Raiyadhar | C | Tow Sheetal Park | PW | 1 | 5.5 | 0 | 5.5 | 0% | |
| 181 | Kanica | 15-12-2017 | 11:05a m | Sheetal Park | E-W | M | C | Bajrangwadi | University Road | L | Ramdev pir | W | 1 | 3.06 | 0.55 | 2.51 | 18% | |
| 182 | Kanica | 15-12-2017 | 11:07a m | Sheetal Park | E-W | M | C | Bajrangwadi | Yagnik Road | L | Ramdev pir | PW | 3 | 4.8 | 3.1 | 1.7 | 65% | |
| 183 | Kanica | 15-12-2017 | 11:10a m | Sheetal Park | E-W | M | S | Puneet Nagar | KKV Hall | L | Ramdev pir | PW | 1 | 4.9 | 3.4 | 1.5 | 69% | |

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|-----|--------|------------|----------|---------------|-----|---|----|-------------------------|-----------------------|---|-------------------|----|---|------|------|------|-----|-----------|
| 184 | Kanica | 15-12-2017 | 11:11a m | Sheetal Park | E-W | M | S | Gautam Nagar | Madhapar | R | Ayodhya Chowk | PW | 1 | 2.9 | 1.3 | 1.6 | 45% | |
| 185 | Kanica | 15-12-2017 | 11:12a m | Sheetal Park | N-S | M | S | Sheth Nagar | Amruta Hospital | C | Ramdev pir | W | 1 | 7.55 | 4.75 | 2.8 | 63% | |
| 186 | Kanica | 15-12-2017 | 11:15a m | Sheetal Park | N-S | M | S | Madhapar | Raj Nagar Chowk | C | Ramdev pir | PW | 2 | 7.7 | 6.22 | 1.48 | 19% | |
| 187 | Kanica | 15-12-2017 | 11:17a m | Sheetal Park | N-S | M | B | Madhapar | Ramdev Pir | C | Ramdev pir | PW | 1 | 2.8 | 2.12 | 0.68 | 76% | |
| 188 | Kanica | 15-12-2017 | 11:18a m | Sheetal Park | N-S | M | C | Madhapar | Kotecha | C | Ramdev pir | W | 1 | 6.1 | 4.6 | 1.5 | 75% | |
| 189 | Kanica | 15-12-2017 | 11:20a m | Sheetal Park | N-S | M | S | Madhapar | Raiya Chokdi | C | Ramdev pir | W | 1 | 3.77 | 3.1 | 0.67 | 82% | |
| 190 | Kanica | 15-12-2017 | 11:22a m | Sheetal Park | N-S | M | S | Ayodhya Chowk | Raiya Road | C | Ramdev pir | PW | 1 | 4.3 | 2.4 | 1.9 | 56% | |
| 191 | Kanica | 15-12-2017 | 11:24a m | Sheetal Park | N-S | M | SA | Gokul-Mathura Society | Raiya Chokdi | C | Ramdev pir | PW | 2 | 2.9 | 2.5 | 0.4 | 86% | |
| 192 | Kanica | 15-12-2017 | 11:25a m | Sheetal Park | N-S | M | S | Ayodhya Chowk | Raiya Circle | C | Ramdev pir | PW | 1 | 2.5 | 2.4 | 0.1 | 96% | |
| 193 | Kanica | 15-12-2017 | 11:27a m | Ayodhya Chowk | E-W | M | W | Synergy Hospital | Dharam Nagar Society | C | Tow Ayodhya Chowk | PW | 1 | 0.5 | 0 | 0.5 | 0% | |
| 194 | Kanica | 15-12-2017 | 11:29m | Ayodhya Chowk | E-W | M | S | Astha Avenue Society | Indira circle | L | Sheetal Park | E | 2 | 4.7 | 3.93 | 0.77 | 84% | |
| 195 | Kanica | 15-12-2017 | 11:30a m | Ayodhya Chowk | E-W | M | S | Astha Society, Wadi | Madhapar | R | Madhapar | PW | 1 | 2.2 | 0.45 | 1.75 | 20% | |
| 196 | Kanica | 15-12-2017 | 11:32a m | Ayodhya Chowk | N-S | M | S | Popatpara | Kalavad Road | C | Ayodhya Chowk | W | 1 | 32.9 | 5 | 27.9 | 15% | |
| 197 | Kanica | 15-12-2017 | 11:35a m | Ayodhya Chowk | N-S | M | C | Maruti Service Centre | Kalavad Road | C | Ayodhya Chowk | PW | 2 | 12.2 | 4.8 | 7.4 | 39% | |
| 198 | Kanica | 15-12-2017 | 11:39a m | Ayodhya Chowk | N-S | M | B | Madhapar | Kalavad Road | C | Ayodhya Chowk | E | 1 | 10.6 | 4.8 | 5.8 | 45% | |
| 199 | Kanica | 15-12-2017 | 11:42a m | Ayodhya Chowk | N-S | M | S | Madhapar | Ramdev Pir | C | Ayodhya Chowk | W | 2 | 2.8 | 2.1 | 0.7 | 75% | |
| 200 | Kanica | 15-12-2017 | 11:45a m | Ayodhya Chowk | N-S | M | SA | Madhapar | Ramdev Pir | C | Ayodhya Chowk | W | 3 | 2.8 | 2.1 | 0.7 | 75% | |
| 201 | Kanica | 15-12-2017 | 11:47a m | Ayodhya Chowk | N-S | F | SA | Ranjit Nagar, Jam Nagar | Nana Mava | C | Ayodhya Chowk | PW | 1 | 94.7 | 5.6 | 89.1 | 6% | Intercity |
| 202 | Kanica | 15-12-2017 | 11:50a m | Ayodhya Chowk | N-S | M | SA | Jam Nagar | KKV Hall | C | Ayodhya Chowk | W | 2 | 90.8 | 4.9 | 85.9 | 5% | Intercity |
| 203 | Kanica | 15-12-2017 | 11:50a m | Madhapar Road | E-W | M | B | Gandhi Society | Maha Pooja Dham Chowk | L | Ayodhya Chowk | E | 1 | 7.7 | 6.7 | 1 | 87% | |
| 204 | Kanica | 15-12-2017 | 11:52a m | Madhapar Road | E-W | M | S | Hospital Chowk | Dwarkadhish Hotel | C | Madhapar | W | 2 | 6.3 | 0.3 | 6 | 5% | |
| 205 | Kanica | 15-12-2017 | 11:54a m | Madhapar Road | E-W | M | SA | Bajrangwadi | Ramdev Pir Chowk | C | Madhapar | W | 1 | 3.14 | 2 | 1.14 | 64% | |
| 206 | Kanica | 15-12-2017 | 11:56a m | Madhapar Road | E-W | F | A | Sandhiya Pul | Sheth Nagar | C | Madhapar | PW | 2 | 9.4 | 0 | 9.4 | 0% | |
| 207 | Kanica | 15-12-2017 | 11:58a m | Madhapar Road | E-W | F | B | Gayatri Dham Society | Sheth Nagar | C | Madhapar | E | 1 | 2.5 | 0 | 2.5 | 0% | |
| 208 | Kanica | 15-12-2017 | 12:00p m | Madhapar Road | E-W | M | S | Mochi Bazaar | SRPF Camp | C | Jam Nagar Road | PW | 1 | 9.4 | 0 | 9.4 | 0% | |
| 209 | Kanica | 15-12-2017 | 12:03p m | Madhapar Road | N-S | M | S | Manharpur | Bajrangwadi | L | tow east | W | 1 | 3.9 | 1.5 | 2.4 | 38% | |
| 210 | Kanica | 15-12-2017 | 12:05p m | Madhapar Road | N-S | M | C | Madhapar | Raiya Chokdi | C | southe | W | 1 | 4.2 | 0.8 | 3.4 | 19% | |

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|-----|--------|------------|-------------|------------------|-------|---|----|-----------------------------------|------------------------|---|-------------------|----|---|------|------|------|------|-----------|
| 211 | Kanica | 15-12-2017 | 12:07p m | Madhapar Road | N-S | F | S | Morbi | Civil Hospital | L | tow east | PW | 2 | 70 | 0 | 70 | 0% | Intercity |
| 212 | Kanica | 15-12-2017 | 12:08p m | Madhapar Road | N-S | M | S | Madhapar Gram | Railway station | L | tow east | W | 2 | 5 | 0 | 5 | 0% | |
| 213 | Kanica | 15-12-2017 | 12:09p m | Madhapar Road | N-S | M | S | Vrindavan Society, Madhapar | Kendriya Vidyalaya | L | Civil Hospital | E | 1 | 12.3 | 0 | 12.3 | 0% | |
| 214 | Kanica | 15-12-2017 | 12:10p m | Madhapar Road | N-S | M | S | Rail Nagar Main | Ramdev Pir | C | Ayodhya Chowk | W | 2 | 5.4 | 2 | 3.4 | 37% | |
| 215 | Kanica | 15-12-2017 | 12:11p m | Madhapar Road | N-S | M | A | Morbi | Sadar Bazar | L | Hospital Chowk | W | 1 | 69 | 0 | 69 | 0% | Intercity |
| 216 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-N | M | SA | Om Nagar | Mavdi Chowkdi | . | . | W | 2 | 1.8 | 0.4 | 1.4 | 22% | |
| 217 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-N | M | S | Bhavnath 1 Society | Aji Area | C | Gondal Chowkdi | W | 1 | 15.3 | 3.1 | 12.2 | 20% | |
| 218 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-N | M | S | Raj Nagar | Naval Nagar | L | Ananad Bunglow | W | 1 | 4.3 | 0 | 4.3 | 0% | |
| 219 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-N | M | SA | Vajdi | Gondal Chowkdi | C | Gondal Chowkdi | W | 1 | 14.9 | 4.9 | 10 | 33% | |
| 220 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-N | F | SA | Civil Hospital | Himalay Society | R | . | R | 6 | 7.1 | 2.7 | 4.4 | 38% | |
| 221 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-E | M | S | Anand Bunglow | Bapasitaram Society | C | . | W | 1 | 2.1 | 0 | 2.1 | 0% | |
| 222 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-E | M | S | Lakshminag ar Rd | Mavdi | L | Mavdi Chowkdi | W | 1 | 2.7 | 0 | 2.7 | 0% | |
| 223 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-E | M | S | Mavdi Chowkdi | Mavdi | L | Mavdi Chowkdi | R | 1 | 2.7 | 0 | 2.7 | 0% | |
| 224 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-E | M | S | Mayani Chowk | Mavdi Chowkdi | . | . | W | 1 | 1.8 | 0.85 | 0.95 | 47% | |
| 225 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-S | M | SA | Gondal Chowkdi | KKV Chowk | C | KKV Chowk | W | 3 | 6.4 | 6.4 | 0 | 100% | |
| 226 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-S | F | A | Punit Nagar | Indira Circle | C | Indira Circle | R | 1 | 5.4 | 5.1 | 0.3 | 94% | |
| 227 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-S | M | S | Mayani Chowk | Mavdi Chowkdi | . | . | W | 1 | 1.8 | 0 | 1.8 | 0% | |
| 228 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-S | M | S | Mavdi Chowkdi | Mavdi Chowkdi | . | Mavdi Chowkdi | R | 1 | 0.5 | 0 | 0.5 | 0% | |
| 229 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-S | M | SA | Gondal Chowkdi | KKV | C | . | W | 3 | 6.4 | 6.4 | 0 | 100% | |
| 230 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-S | F | A | Punit Nagar | Indira Circle | C | Indira Circle | W | 1 | 5.4 | 5.1 | 0.3 | 94% | |
| 231 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-S | F | SA | Punit Nagar | Vidya Nagar Main Rd | . | . | R | 1 | 6.9 | 3.9 | 3 | 57% | |
| 232 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-S | M | C | Mavdi Rd | KKV | C | KKV | W | 2 | 3.3 | 2.8 | 0.5 | 85% | |
| 233 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-S | M | S | Chotila Gam | Mavdi Chowkdi | . | . | R | 1 | 55.5 | 2.9 | 52.6 | 5% | Intercity |
| 234 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-S | M | S | Saame Kathe | Sardar Nagar | . | . | W | 2 | 64.8 | 3.6 | 61.2 | 6% | Intercity |
| 235 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-W | M | S | Bapasitaram Chowk | Uday Nagar | L | . | W | 2 | 5.6 | 4.5 | 1.1 | 80% | |

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| 236 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-W | M | S | Bapasitaram Chowk | Nana Mauva | | Nana Mauva | W | 1 | 7.8 | 4.5 | 3.3 | 58% | |
| 237 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-W | M | S | Mavdi Rd | Soni Bazaar | C | | W | 1 | 5.8 | 0 | 5.8 | 0% | |
| 238 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-W | M | S | Bapasitaram Chowk | KKV | L | KKV | R | 1 | 7.7 | 7.3 | 0.4 | 95% | |
| 239 | Kairvi | 14-12-2017 | 09:30A M | MAVDI CHOWKDI | BRT-W | M | S | Bapasitaram Chowk | Indira Circle | L | Indira Circle | E | 2 | 8 | 7.6 | 0.4 | 95% | |
| 240 | Kairvi | 15-12-2017 | 09:30A M | UMIYA CHOWK | BRT-N | M | S | Mavdi Rd | Punit Nagar | C | | R | 1 | 3.6 | 2.3 | 1.3 | 64% | |
| 241 | Kairvi | 15-12-2017 | 09:30A M | UMIYA CHOWK | BRT-N | F | S | Vishveshwa r Society | Radha Chowkdi | C | | R | 2 | 1.5 | 0.7 | 0.8 | 47% | |
| 242 | Kairvi | 15-12-2017 | 09:30A M | UMIYA CHOWK | BRT-N | M | SA | Somnath society | Marketing Yard | | | W | 1 | 15.1 | 4.7 | 10.4 | 31% | |
| 243 | Kairvi | 15-12-2017 | 09:30A M | UMIYA CHOWK | BRT-N | M | SA | Shiv Park | Gondal Chowkdi | | Gondal Chowkdi | W | 1 | 3.6 | 2.8 | 0.8 | 78% | |
| 244 | Kairvi | 15-12-2017 | 09:30A M | UMIYA CHOWK | BRT-N | M | SA | Mavdi Chowkdi | Hudko | | | W | 1 | 6 | 3.5 | 2.5 | 58% | |
| 245 | Kairvi | 15-12-2017 | 09:30A M | UMIYA CHOWK | BRT-E | M | S | Sorathiya Wadi Circle | Umiya Chowk | . | . | W | 2 | 4.4 | 0.7 | 3.7 | 16% | |
| 246 | Kairvi | 15-12-2017 | 09:30A M | UMIYA CHOWK | BRT-E | M | S | kothariya road | Umiya Chowk | . | . | W | 1 | 6.5 | 2.5 | 4 | 38% | |
| 247 | Kairvi | 15-12-2017 | 09:30A M | UMIYA CHOWK | BRT-S | M | S | Govardhan Chowk | Raiya Chowk | C | Raiya Chowkdi | W | 1 | 7.5 | 7.5 | 0 | 100% | |
| 248 | Kairvi | 15-12-2017 | 09:30A M | UMIYA CHOWK | BRT-S | M | S | Punit Nagar | Lakshmi Nagar | R | Gokuldha m Society | W | 1 | 4.4 | 3.3 | 1.1 | 75% | |
| 249 | Kairvi | 15-12-2017 | 09:30A M | UMIYA CHOWK | BRT-S | M | S | Fortune Hotel | Umiya Chowk | . | . | W | 1 | 0.4 | 0.4 | 0 | 100% | |
| 250 | Kairvi | 15-12-2017 | 09:30A M | UMIYA CHOWK | BRT-S | M | SA | Gondal Chowkdi | Indira Circle | C | Indira Circle | W | 1 | 7.5 | 7.5 | 0 | 100% | |
| 251 | Kairvi | 15-12-2017 | 09:30A M | UMIYA CHOWK | BRT-S | M | SA | Gondal Chowkdi | AG Chowk | C | KKV | W | 1 | 8.1 | 5.3 | 2.8 | 65% | |
| 252 | Kairvi | 15-12-2017 | 09:30A M | UMIYA CHOWK | BRT-S | M | SA | Gondal Chowkdi | AG Chowk | C | KKV | E | 2 | 8.1 | 5.3 | 2.8 | 65% | |
| 253 | Kairvi | 15-12-2017 | 09:30A M | UMIYA CHOWK | BRT-W | M | S | Umiya Chowk | Swaminarayan Mandir | C | Krishna Nagar | W | 1 | 2.5 | 0 | 2.5 | 0% | |
| 254 | Kairvi | 15-12-2017 | 09:30A M | UMIYA CHOWK | BRT-W | M | S | Umiya Chowk | Gokuldham | C | | W | 1 | 0.75 | 0 | 0.75 | 0% | |
| 255 | Kairvi | 15-12-2017 | 09:30A M | UMIYA CHOWK | BRT-W | M | S | Bapasitaram Chowk | Govardhan Chowk | | | R | 2 | 6.8 | 6.3 | 0.5 | 93% | |
| 256 | Kairvi | 15-12-2017 | 09:30A M | UMIYA CHOWK | BRT-W | M | S | Umiya Chowk | Mavdi Chowkdi | L | Mavdi Chowkdi | R | 1 | 0.8 | 0.8 | 0 | 100% | |
| 257 | Kairvi | 15-12-2017 | 09:30A M | AMBEDKAR NAGAR | BRT-N | M | S | Thorada | Ambedkar Nagar | . | . | W | 1 | 56.7 | 1.8 | 54.9 | 3% | Intercity |
| 258 | Kairvi | 15-12-2017 | 09:30A M | AMBEDKAR NAGAR | BRT-N | M | S | Ambedkar Nagar | Gondal City | C | Gondal Chowkdi | R | 2 | 56.7 | 2.1 | 54.6 | 4% | Intercity |
| 259 | Kairvi | 15-12-2017 | 09:30A M | AMBEDKAR NAGAR | BRT-N | M | S | Ankur Rd | Punit Nagar | C | | W | 1 | 3.1 | 1.7 | 1.4 | 55% | |

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|-----|--------------------|------------|-------------|--------------------|-------|---|-------|----------------------|-----------------------------|---|-------------------|---|---|------|------|-------|------|
| 260 | Kairvi | 15-12-2017 | 09:30A M | AMBEDKAR NAGAR | BRT-N | M | S | Nana Mauva | Gondal Chowkdi | C | Gondal Chowkdi | W | 2 | 6.5 | 4.4 | 2.1 | 68% |
| 261 | Kairvi | 15-12-2017 | 09:30A M | AMBEDKAR NAGAR | BRT-N | F | SA | KKV | Ambedkar Nagar | . | . | R | 2 | 4.3 | 4.2 | 0.1 | 98% |
| 262 | Kairvi | 15-12-2017 | 09:30A M | AMBEDKAR NAGAR | BRT-N | M | SA | Balaji hall | Rampark Society | | | W | 1 | 7.2 | 6.2 | 1 | 86% |
| 263 | Kairvi | 15-12-2017 | 09:30A M | AMBEDKAR NAGAR | BRT-S | M | S | Madhav Park | ST Bus Stand | C | | W | 1 | 6.35 | 0.85 | 5.5 | 13% |
| 264 | Kairvi | 15-12-2017 | 09:30A M | AMBEDKAR NAGAR | BRT-S | M | S | kothariya road | Raiya Dhar | C | Raiya Chowkdi | W | 1 | 12.1 | 9.2 | 2.9 | 76% |
| 265 | Kairvi | 15-12-2017 | 09:30A M | AMBEDKAR NAGAR | BRT-S | M | SA | Gondal Chowkdi | KKV | C | KKV | R | 3 | 5.9 | 5.9 | 0 | 100% |
| 266 | Kairvi | 15-12-2017 | 09:30A M | AMBEDKAR NAGAR | BRT-S | M | SA | Gondal Chowkdi | Ambedkar Nagar | . | . | R | 2 | 1.8 | 1.8 | 0 | 100% |
| 267 | Kairvi | 16-12-2017 | 09:30A M | AMBEDKAR NAGAR | BRT-S | M | C | Govardhan Chowk | Mavdi Rd | C | Mavdi Chowkdi | W | 1 | 2.1 | 1.7 | 0.4 | 81% |
| 268 | Kairvi | 16-12-2017 | 09:30A M | GOVARDHAN CHOWK | BRT-N | M | SA | Ramapir Chowkdi | Gondal Chowkdi | C | Gondal Chowkdi | W | 1 | 9.7 | 9.7 | 0 | 100% |
| 269 | Kairvi | 16-12-2017 | 09:30A M | GOVARDHAN CHOWK | BRT-N | F | SA | Mavdi | Ramapir Chowk | C | | R | 2 | 6.3 | 5.7 | 0.6 | 90% |
| 270 | Kairvi | 16-12-2017 | 09:30A M | GOVARDHAN CHOWK | BRT-N | M | SA | Mavdi | Govardhan Chowk | . | . | R | 1 | 2.5 | 1.9 | 0.6 | 76% |
| 271 | Kairvi | 16-12-2017 | 09:30A M | GOVARDHAN CHOWK | BRT-N | M | S | Umiya Chowk | Bajrang Society | C | | W | 2 | 2.8 | 1.7 | 1.1 | 61% |
| 272 | Kairvi | 16-12-2017 | 09:30A M | GOVARDHAN CHOWK | BRT-N | M | S | Big Bazaar | Khodiyaar Para | L | | W | 1 | 6.4 | 5.7 | 0.7 | 89% |
| 273 | Kairvi | 16-12-2017 | 09:30A M | GOVARDHAN CHOWK | BRT-S | F | A | Vrindavan Society | Mavdi Rd | C | | R | 1 | 4.7 | 1.4 | 3.3 | 30% |
| 274 | Kairvi | 16-12-2017 | 09:30A M | GOVARDHAN CHOWK | BRT-S | M | S | Gondal Chowkdi | Astha Residency Chowk | C | | R | 1 | 10.2 | 9.9 | 0.3 | 97% |
| 275 | Kairvi | 16-12-2017 | 09:30A M | GOVARDHAN CHOWK | BRT-S | M | S | Gondal Chowkdi | Astha Residency Chowk | C | | R | 2 | 10.2 | 9.9 | 0.3 | 97% |
| 276 | Kairvi | 16-12-2017 | 09:30A M | GOVARDHAN CHOWK | BRT-S | M | C | Gondal City | Govardhan Chowk | . | . | R | 2 | 34.2 | 1.2 | 33 | 4% |
| 277 | Haseeb:P ushkar | 14-12-2017 | 08:05 | KKVCHOWK | BRT-S | M | W | kothariya road | metoda | L | AG Chowk | W | 1 | 20.1 | 4.3 | 15.8 | 21% |
| 278 | Haseeb:P ushkar | 14-12-2017 | 08:06 | KKVCHOWK | BRT-S | M | SA(T) | Balaji hall | metoda | L | AG Chowk | W | 1 | 13.4 | 1.9 | 11.5 | 14% |
| 279 | Haseeb:P ushkar | 14-12-2017 | 08:07 | KKVCHOWK | BRT-S | M | SA(T) | Balaji hall | SOS School | R | KKV chowk | E | 1 | 2.2 | 1.5 | 0.7 | 68% |
| 280 | Haseeb:P ushkar | 14-12-2017 | 08:08 | KKVCHOWK | BRT-E | F | SA(T) | Kevda | Bapa Sitaram | L | | R | 2 | 8.7 | 4.5 | 4.2 | 52% |
| 281 | Haseeb:P ushkar | 14-12-2017 | 08:09 | KKVCHOWK | BRT-E | M | SA(T) | Metoda | Biraniya Ghat | L | Punit Nagar | W | 1 | 15.8 | 4.2 | 11.6 | 27% |
| 282 | Haseeb:P ushkar | 14-12-2017 | 08:10 | KKVCHOWK | BRT-E | M | S | Panchyat Chowk | Gondal City | | | W | 1 | 39.9 | 5.3 | 34.6 | 13% |
| 283 | Haseeb:P ushkar | 14-12-2017 | 08:11 | KKVCHOWK | BRT-E | M | B | Kalawad Rd | Raj Nagar Chowk | R | | W | 1 | 23.6 | 0.95 | 22.65 | 4% |
| 284 | Haseeb:P ushkar | 14-12-2017 | 08:12 | KKVCHOWK | BRT-E | M | W | Madhapar Gam | Om Nagar Chowk | | | W | 3 | 10.2 | 7.2 | 3 | 71% |

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|-----|--------------------|------------|-------|----------|-------|---|-------|----------------------------|----------------------|---|------------------|---|---|------|------|------|------|--|
| 285 | Haseeb:P ushkar | 14-12-2017 | 08:13 | KKVCHOWK | BRT-N | M | B | Ramapir Chowkdi | Mavdi Chowkdi | C | | W | 1 | 5.6 | 5.6 | 0 | 100% | |
| 286 | Haseeb:P ushkar | 14-12-2017 | 08:14 | KKVCHOWK | BRT-N | F | SA | Nanavati Chowk | Suryoday Society | L | | W | 1 | 2.8 | 2.5 | 0.3 | 89% | |
| 287 | Haseeb:P ushkar | 14-12-2017 | 08:15 | KKVCHOWK | BRT-N | M | B | Gandhigram | Gondal Chowkdi | C | | W | 1 | 9.1 | 7.8 | 1.3 | 86% | |
| 288 | Haseeb:P ushkar | 14-12-2017 | 08:16 | KKVCHOWK | BRT-N | M | B | University Rd | Mavdi | C | | R | 1 | 5 | 2.4 | 2.6 | 48% | |
| 289 | Haseeb:P ushkar | 14-12-2017 | 08:17 | KKVCHOWK | BRT-N | M | SA | Ramapir Chowkdi | KKV | | | R | 1 | 2.8 | 2.8 | 0 | 100% | |
| 290 | Haseeb:P ushkar | 14-12-2017 | 08:18 | KKVCHOWK | BRT-N | M | S | Munjka Gam | Balaji Hall | C | | W | 1 | 5.5 | 2.2 | 3.3 | 40% | |
| 291 | Haseeb:P ushkar | 14-12-2017 | 08:19 | KKVCHOWK | BRT-N | M | B | Telephone Exchange | Nana Mauva Rd. | C | | W | 1 | 2.3 | 2.3 | 0 | 100% | |
| 292 | Haseeb:P ushkar | 14-12-2017 | 08:20 | KKVCHOWK | BRT-N | M | SA(T) | Gadhigram | metoda | R | | W | 1 | 15.1 | 1.9 | 13.2 | 13% | |
| 293 | Haseeb:P ushkar | 14-12-2017 | 08:21 | KKVCHOWK | BRT-N | M | B | Gadhigram | Mavdi | C | | W | 1 | 6.7 | 4.9 | 1.8 | 73% | |
| 294 | Haseeb:P ushkar | 14-12-2017 | 08:22 | KKVCHOWK | BRT-N | F | B | Sadhuvasva ni Rd | Wockhart Hospital | L | | W | 1 | 2.3 | 0.25 | 2.05 | 11% | |
| 295 | Haseeb:P ushkar | 14-12-2017 | 08:23 | KKVCHOWK | BRT-N | F | SA | Raiya Chowkdi | Kotecha Chowk | L | | W | 1 | 2.6 | 1.7 | 0.9 | 65% | |
| 296 | Haseeb:P ushkar | 14-12-2017 | 08:24 | KKVCHOWK | BRT-W | M | SA | Metoda | Civil Hospital | C | Kotecha Chowk | W | 1 | 16.5 | 0 | 16.5 | 0% | |
| 297 | Haseeb:P ushkar | 14-12-2017 | 08:25 | KKVCHOWK | BRT-W | F | SA | AG Chowk | Gymkhana Chowk | C | Kotecha Chowk | W | 1 | 5.8 | 0 | 5.8 | 0% | |
| 298 | Haseeb:P ushkar | 14-12-2017 | 08:26 | KKVCHOWK | BRT-S | M | W | Giriraj Hospital | Marwadi College | C | Madhapar | E | 1 | 13.9 | 5 | 8.9 | 36% | |
| 299 | Haseeb:P ushkar | 14-12-2017 | 08:27 | KKVCHOWK | BRT-S | F | SA | Gondal Chowkdi | Khirasara | L | | W | 1 | 19.8 | 5.8 | 14 | 29% | |
| 300 | Haseeb:P ushkar | 14-12-2017 | 08:28 | KKVCHOWK | BRT-S | F | SA | Rashriyasha la | metoda | L | | W | 1 | 15.6 | 0 | 15.6 | 0% | |
| 301 | Haseeb:P ushkar | 14-12-2017 | 08:29 | KKVCHOWK | BRT-S | M | B | Sardar Nagar Main Rd | Pushkar Dham | L | AG Chowk | W | 1 | 5 | 0 | 5 | 0% | |
| 302 | Haseeb:P ushkar | 14-12-2017 | 08:30 | KKVCHOWK | BRT-E | M | C | Hospital Chowk | KKV | C | | W | 1 | 4.1 | 0 | 4.1 | 0% | |
| 303 | Haseeb:P ushkar | 14-12-2017 | 08:31 | KKVCHOWK | BRT-E | M | C | 150ft Rd | Iskon Mall | L | | R | 1 | 1 | 0.4 | 0.6 | 40% | |
| 304 | Haseeb:P ushkar | 14-12-2017 | 08:32 | KKVCHOWK | BRT-E | M | C | Kotecha Chowk | Big Bazaar | L | | R | 1 | 1.8 | 1.1 | 0.7 | 61% | |
| 305 | Haseeb:P ushkar | 14-12-2017 | 08:33 | KKVCHOWK | BRT-E | M | S | Pedak Rd | Big Bazaar | L | | W | 1 | 7.7 | 0.75 | 6.95 | 10% | |
| 306 | Haseeb:P ushkar | 14-12-2017 | 08:34 | KKVCHOWK | BRT-E | M | C | Hospital Chowk | KKV | L | AG Chowk | W | 1 | 4.2 | 0 | 4.2 | 0% | |
| 307 | Haseeb:P ushkar | 14-12-2017 | 08:35 | KKVCHOWK | BRT-E | M | SA(T) | Balaji hall | SOS School | R | | E | 1 | 2.3 | 1.85 | 0.45 | 80% | |
| 308 | Haseeb:P ushkar | 14-12-2017 | 08:36 | KKVCHOWK | BRT-N | F | SA(T) | Kevda | Bapa Sitaram | L | | R | 2 | 8.7 | 4.5 | 4.2 | 52% | |

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| 309 | Haseeb:P ushkar | 14-12-2017 | 08:37 | KKVCHOWK | BRT-N | M | SA(T) | Metoda | Biraniya Ghat | L | Punit Nagar | R | 1 | 15.8 | 4.2 | 11.6 | 27% | |
| 310 | Haseeb:P ushkar | 14-12-2017 | 08:38 | KKVCHOWK | BRT-E | M | S | Morvi Rd | Nana Mauva | C | AG Chowk | W | 2 | 8.4 | 0 | 8.4 | 0% | |
| 311 | Haseeb:P ushkar | 14-12-2017 | 08:39 | KKVCHOWK | BRT-E | M | S | Jalaram Society | KKV | L | | W | 1 | 3.1 | 2.4 | 0.7 | 77% | |
| 312 | Haseeb:P ushkar | 14-12-2017 | 08:40 | KKVCHOWK | BRT-E | M | S | Dhebar Colony | Raiya Chowk | R | | W | 1 | 7.1 | 2.1 | 5 | 30% | |
| 313 | Haseeb:P ushkar | 14-12-2017 | 08:41 | KKVCHOWK | BRT-E | M | S | Astha Residency | Vavdi | L | Punit Nagar | W | 1 | 12.8 | 9.3 | 3.5 | 73% | |
| 314 | Haseeb:P ushkar | 14-12-2017 | 08:42 | KKVCHOWK | BRT-E | M | S | Marketing Yard | Panchayat Chowk | C | Indira Circle | W | 2 | 9 | 0 | 9 | 0% | |
| 315 | Haseeb:P ushkar | 14-12-2017 | 08:43 | KKVCHOWK | BRT-E | M | C | Kotecha chowk | Panchayat Chowk | C | | R | 1 | 1.7 | 0.3 | 1.4 | 18% | |
| 316 | Haseeb:P ushkar | 14-12-2017 | 08:44 | KKVCHOWK | BRT-E | M | S | Navagam | Panchayat Chowk | c | | W | 1 | 9.5 | 0 | 9.5 | 0% | |
| 317 | Haseeb:P ushkar | 14-12-2017 | 08:45 | KKVCHOWK | BRT-N | F | SA | Somnath society | hill ton hotel , rajputpara main rd | c | KKV | W | 1 | 5.2 | 1 | 4.2 | 19% | |
| 318 | Haseeb:P ushkar | 14-12-2017 | 08:46 | KKVCHOWK | BRT-N | F | SA | Raiya dhar | KKV | L | KKV | W | 2 | 4.5 | 2.9 | 1.6 | 64% | |
| 319 | Haseeb:P ushkar | 14-12-2017 | 08:47 | KKVCHOWK | BRT-N | F | A | Raiya telephone ex. | KKV | L | KKV | W | 1 | 1 | 1 | 0 | 100% | |
| 320 | Haseeb:P ushkar | 14-12-2017 | 08:48 | KKVCHOWK | BRT-N | M | SA | Gauridad | Kotecha Chowk | L | | W | 1 | 17.2 | 5.2 | 12 | 30% | |
| 321 | Haseeb:P ushkar | 14-12-2017 | 08:49 | KKVCHOWK | BRT-N | F | SA | Raiya Gam | KKV | C | KKV | W | 1 | 4.2 | 0.28 | 3.92 | 7% | |
| 322 | Haseeb:P ushkar | 14-12-2017 | 08:50 | KKVCHOWK | BRT-N | F | SA | Gandhigram | Mauva | C | KKV | R | 2 | 5 | 1.8 | 3.2 | 36% | |
| 323 | Haseeb:P ushkar | 14-12-2017 | 08:51 | KKVCHOWK | BRT-W | F | SA(T) | Munjika | Virani Chowk | C | Kotecha Chowk | W | 3 | 6.5 | 0 | 6.5 | 0% | |
| 324 | Haseeb:P ushkar | 14-12-2017 | 08:52 | KKVCHOWK | BRT-W | M | S | Pushkardha m | Sahkarnagar rd | C | Kotecha Chowk | W | 3 | 4.4 | 0 | 4.4 | 0% | |
| 325 | Haseeb:P ushkar | 14-12-2017 | 08:53 | KKVCHOWK | BRT-W | M | C | Ravi Ratna Park | Shapar | R | KKV | W | 1 | 17.2 | 6.6 | 10.6 | 38% | Intercity |
| 326 | Haseeb:P ushkar | 14-12-2017 | 08:54 | KKVCHOWK | BRT-W | M | C | Sadhuvasva ni Rd | Palace Rd | C | KKV | W | 1 | 6.5 | 0.3 | 6.2 | 5% | |
| 327 | Haseeb:P ushkar | 14-12-2017 | 08:55 | KKVCHOWK | BRT-W | M | C | Royal Park | Ruda Transport Nagar | | Raiya Chowkdi | W | 2 | 16.7 | 4.7 | 12 | 28% | |
| 328 | Haseeb:P ushkar | 14-12-2017 | 08:56 | KKVCHOWK | BRT-W | M | S | SOS school | University Rd | L | Panchaya t Chowk | R | 3 | 1.5 | 0.3 | 1.2 | 20% | |
| 329 | Haseeb:P ushkar | 14-12-2017 | 08:57 | KKVCHOWK | BRT-W | F | SA | Metoda | Nanavati Chowk | C | Nanavati Chowk | R | 2 | 14.4 | 2.3 | 12.1 | 16% | Intercity |
| 330 | Haseeb:P ushkar | 14-12-2017 | 08:58 | KKVCHOWK | BRT-W | M | C | Jalaram Society | Pushkardham | L | Panchaya t Chowk | W | 1 | 2.9 | 0.3 | 2.6 | 10% | |
| 331 | Haseeb:P ushkar | 14-12-2017 | 08:59 | KKVCHOWK | BRT-W | M | S | KKV | Raiya Chowk | C | | R | 1 | 1.7 | 1.7 | 0 | 100% | |
| 332 | Haseeb:P ushkar | 14-12-2017 | 09:00 | Raiya Telephone Exchange | BRT-S | M | S | Indira Circle | Patidar Chowk | C | | R | 1 | 2.67 | 0.55 | 2.12 | 21% | |

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| 333 | Haseeb:P ushkar | 14-12-2017 | 09:01 | Raiya Telephone Exchange | BRT-S | M | S | Kalawad Rd | Raiya Chowk | C | | R | 1 | 23.1 | 1.7 | 21.4 | 7% | |
| 334 | Haseeb:P ushkar | 14-12-2017 | 09:02 | Raiya Telephone Exchange | BRT-S | M | C | Royal Park | Madhapar Chowkdi | C | Raiya Chowkdi | W | 1 | 5 | 4.7 | 0.3 | 94% | |
| 335 | Haseeb- kanica | 14-12-2017 | 08:05 | Raiya Telephone Exchange | BRT-S | M | C | Sadhuvasva ni Rd | Madhapar Chowkdi | C | Raiya Chowkdi | R | 2 | 4.9 | 3.3 | 1.6 | 67% | |
| 336 | Haseeb- kanica | 14-12-2017 | 08:06 | Raiya Telephone Exchange | BRT-S | M | C | Jalaram Society | Somnath Society | L | Raiya telephone exchange | W | 1 | 0.8 | 0.5 | 0.3 | 63% | |
| 337 | Haseeb- kanica | 14-12-2017 | 08:07 | Raiya Telephone Exchange | BRT-S | F | SA | Meghpar | Nanavati Chowk | C | Nanavati Chowk | R | 3 | 34.5 | 2.3 | 32.2 | 7% | |
| 338 | Haseeb- kanica | 14-12-2017 | 08:08 | Raiya Telephone Exchange | BRT-S | M | S | Sapar | Raiya Telephone Exchange | C | . | W | 1 | 16.8 | 6.65 | 10.15 | 40% | |
| 339 | Haseeb- kanica | 14-12-2017 | 08:09 | Raiya Telephone Exchange | BRT-W | M | C | Sadhuvasva ni Rd | ST. Bus Stand | C | Indira Circle | W | 1 | 6 | 3.1 | 2.9 | 52% | |
| 340 | Haseeb- kanica | 14-12-2017 | 08:10 | Raiya Telephone Exchange | BRT-W | F | SA | Amin Marg | Civil Hospital | C | Nirmala Rd | R | 2 | 6.7 | 1.3 | 5.4 | 19% | |
| 341 | Haseeb- kanica | 14-12-2017 | 08:11 | Raiya Telephone Exchange | BRT-N | M | C | Gujarat Gas | Marketing Yard | L | Indira Circle | W | 3 | 9.4 | 0.85 | 8.55 | 9% | |
| 342 | Haseeb- kanica | 14-12-2017 | 08:12 | Raiya Telephone Exchange | BRT-N | M | S | Raiya Chowkdi | Mavdi Chowkdi | C | Indira Circle | R | 1 | 5.3 | 0 | 5.3 | 0% | |
| 343 | Haseeb- kanica | 14-12-2017 | 08:13 | Raiya Telephone Exchange | BRT-N | M | S | Gandhigram | Nana Mauva | C | KKV | W | 1 | 5.1 | 3 | 2.1 | 59% | |
| 344 | Haseeb- kanica | 14-12-2017 | 08:14 | Raiya Telephone Exchange | BRT-N | M | S | Madhapar Gam | Panchayat Chowk | C | Indira Circle | W | 1 | 8.3 | 4.6 | 3.7 | 55% | Intercity |
| 345 | Haseeb- kanica | 14-12-2017 | 08:15 | Raiya Telephone Exchange | BRT-N | M | S | Madhapar Gam | Gondal Rd | C | KKV | W | 1 | 17.8 | 10.6 | 7.2 | 60% | Intercity |
| 346 | Haseeb- kanica | 14-12-2017 | 08:16 | Raiya Telephone Exchange | BRT-E | M | C | Tirupati 4 | Christ College | L | Indira Circle | E | 3 | 13.5 | 3.2 | 10.3 | 24% | |
| 347 | Haseeb- kanica | 14-12-2017 | 08:17 | Raiya Telephone Exchange | BRT-E | M | SA | Santkabir Rd | Iskon Mall | C | Gopal Chowk | W | 5 | 8.8 | 1.3 | 7.5 | 15% | |
| 348 | Haseeb- kanica | 14-12-2017 | 08:18 | Raiya Telephone Exchange | BRT-E | F | S | Sawaminara yan Mandir | Raiya Telephone Exchange | C | . | W | 1 | 15.8 | 4.2 | 11.6 | 27% | |
| 349 | Haseeb- kanica | 14-12-2017 | 08:19 | Raiya Telephone Exchange | BRT-E | M | S | Tirupati Nagar | Nana Mauva | L | Indira Circle | W | 1 | 4.4 | 2.7 | 1.7 | 61% | |
| 350 | Haseeb- kanica | 14-12-2017 | 08:20 | West Zone (Big Bazaar Junction) | BRT-S | F | SA | Ramapir Chowkdi | Shashtri Nagar | C | Nana Mauva | R | 2 | 5.3 | 4 | 1.3 | 75% | |
| 351 | Haseeb- kanica | 14-12-2017 | 08:21 | West Zone (Big Bazaar Junction) | BRT-S | F | S | Bajrangwadi Circle | Nana Mauva | C | Nana Mauva | W | 2 | 7.1 | 4.2 | 2.9 | 59% | |
| 352 | Haseeb- kanica | 14-12-2017 | 08:22 | West Zone (Big Bazaar Junction) | BRT-S | M | S | Somnath society | Umakant Pandit Udhog Nagar | C | Nana Mauva | W | 1 | 4.5 | 2.8 | 1.7 | 62% | |

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|-----|---------------|------------|-------|---------------------------------|-------|---|----|-----------------------------|-------------------------------|---|----------------------|---|---|------|------|------|-----|-----------|
| 353 | Haseeb-kanica | 14-12-2017 | 08:23 | West Zone (Big Bazaar Junction) | BRT-S | M | S | Gundawadi | Astha Residency Chowk | C | Nana Mauva | R | 2 | 7.7 | 3.4 | 4.3 | 44% | |
| 354 | Haseeb-kanica | 14-12-2017 | 08:24 | West Zone (Big Bazaar Junction) | BRT-S | F | S | Mombasa | Big Bazaar | C | . | R | 1 | 2.3 | 1.5 | 0.8 | 65% | |
| 355 | Haseeb-kanica | 14-12-2017 | 08:25 | West Zone (Big Bazaar Junction) | BRT-S | F | S | St.Paul, Bhaktinagar Circle | Chandra Park | R | . | R | 2 | 15.8 | 4.2 | 11.6 | 27% | |
| 356 | Haseeb-kanica | 14-12-2017 | 08:26 | West Zone (Big Bazaar Junction) | BRT-E | F | S | Gulab Vihar Society | Kothariya Main Rd | C | Maruti Chowk | R | 1 | 6.1 | 1.4 | 4.7 | 23% | |
| 357 | Haseeb-kanica | 14-12-2017 | 08:27 | West Zone (Big Bazaar Junction) | BRT-E | M | S | Shri Colony | Giriraj Hospital | R | KKV | W | 1 | 1.6 | 0.35 | 1.25 | 22% | |
| 358 | Haseeb-kanica | 14-12-2017 | 08:28 | West Zone (Big Bazaar Junction) | BRT-E | F | S | kothariya road | 150ft. Rd | R | KKV | W | 1 | 8 | 2.2 | 5.8 | 28% | |
| 359 | Haseeb-kanica | 14-12-2017 | 08:29 | West Zone (Big Bazaar Junction) | BRT-E | F | C | Big Bazaar | Snk Sports Acadamy | C | Mahadev Mandir Chowk | R | 1 | 2.4 | 1 | 1.4 | 42% | |
| 360 | Haseeb-kanica | 14-12-2017 | 08:30 | West Zone (Big Bazaar Junction) | BRT-E | F | S | Sawaminara yan Mandir | Mavdi Gam | C | | R | 2 | 5.4 | 1.45 | 3.95 | 27% | |
| 361 | Haseeb-kanica | 14-12-2017 | 08:31 | West Zone (Big Bazaar Junction) | BRT-E | F | S | Vividhkarma chari Society | Gulab Vihar Society | C | | R | 2 | 1.1 | 0 | 1.1 | 0% | |
| 362 | Haseeb-kanica | 14-12-2017 | 08:32 | West Zone (Big Bazaar Junction) | BRT-E | M | C | Nana Mauva | KKV | L | KKV | W | 1 | 2.1 | 0.8 | 1.3 | 38% | |
| 363 | Haseeb-kanica | 14-12-2017 | 08:33 | West Zone (Big Bazaar Junction) | BRT-S | M | S | Aji Dam | Govardhan Chowk | C | KKV | W | 1 | 18 | 10.5 | 7.5 | 58% | |
| 364 | Haseeb-kanica | 14-12-2017 | 08:34 | West Zone (Big Bazaar Junction) | BRT-S | S | SA | Balaji hall | Hanuman Madhi | C | Raiya Chowkdi | R | 1 | 4.4 | 0 | 4.4 | 0% | |
| 365 | Haseeb-kanica | 14-12-2017 | 08:35 | West Zone (Big Bazaar Junction) | BRT-S | F | SA | Balaji hall | Madhapar Chowkdi | C | KKV | R | 1 | 6.9 | 6.7 | 0.2 | 97% | |
| 366 | Haseeb-kanica | 14-12-2017 | 08:36 | West Zone (Big Bazaar Junction) | BRT-S | F | SA | Pathak School | KKV | C | KKV | R | 1 | 5 | 2.6 | 2.4 | 52% | |
| 367 | Haseeb-kanica | 14-12-2017 | 08:37 | West Zone (Big Bazaar Junction) | BRT-S | M | S | Bapasitaram Chowk | KKV | C | KKV | W | 2 | 3.9 | 2.4 | 1.5 | 62% | |
| 368 | Haseeb-kanica | 14-12-2017 | 08:38 | West Zone (Big Bazaar Junction) | BRT-S | F | A | Lakshminagar Rd | Para Pipaliya | C | Madhapar Chowkdi | R | 2 | 17.2 | 6.4 | 10.8 | 37% | |
| 369 | Haseeb-kanica | 14-12-2017 | 08:39 | West Zone (Big Bazaar Junction) | BRT-S | F | A | Gokuldham Society | Amarnath Garden | L | West Zone | W | 1 | 3.8 | 2.75 | 1.05 | 72% | |
| 370 | Haseeb-kanica | 14-12-2017 | 08:40 | West Zone (Big Bazaar Junction) | BRT-S | M | S | Sapar | Nageshwar temple, Jamnagar Rd | C | Madhapar Chowkdi | R | 1 | 105 | 11.2 | 93.8 | 11% | Intercity |
| 371 | Haseeb-kanica | 14-12-2017 | 08:41 | West Zone (Big Bazaar Junction) | BRT-S | M | C | Ishwariya Gam | Gandhigram | C | Kanaiya Chowk | R | 4 | 12.5 | 8.1 | 4.4 | 65% | |
| 372 | Haseeb-kanica | 14-12-2017 | 08:42 | West Zone (Big Bazaar Junction) | BRT-S | M | B | Nehru Nagar | Raiya Dhar | C | KKV | R | 1 | 4.3 | 1.2 | 3.1 | 28% | |

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|-----|-----------------|------------|-------|---------------------------------|-------|---|----|-----------------------|-----------------------------------|---|--------------------------|---|---|------|------|-------|-----|
| 373 | Haseeb-kanica | 14-12-2017 | 08:43 | West Zone (Big Bazaar Junction) | BRT-W | M | C | Maruti Chowk | Selva Residency, Sadhu Vaswani Rd | C | Raiya telephone exchange | W | 1 | 3.6 | 1.7 | 1.9 | 47% |
| 374 | Haseeb-kanica | 14-12-2017 | 08:44 | West Zone (Big Bazaar Junction) | BRT-W | M | C | Alap Residency | Astha Residency Chowk | C | Mavdi | R | 2 | 8.7 | 5.2 | 3.5 | 60% |
| 375 | Haseeb-kanica | 14-12-2017 | 08:45 | West Zone (Big Bazaar Junction) | BRT-W | M | S | Maruti Chowk | Somnath Society | L | Raiya telephone exchange | W | 1 | 8.5 | 2.4 | 6.1 | 28% |
| 376 | Haseeb-kanica | 14-12-2017 | 08:46 | West Zone (Big Bazaar Junction) | BRT-W | M | S | Indira Circle | Balaji Hall | R | Nana Mauva | R | 1 | 4.9 | 2.1 | 6.4 | 43% |
| 377 | Haseeb-kanica | 14-12-2017 | 08:47 | Nana Mava Circle | BRT-N | M | S | Big Bazaar | Nana Mauva | . | Nana Mauva chowk | W | 1 | 1.8 | 0.55 | 4.35 | 31% |
| 378 | Haseeb-kanica | 14-12-2017 | 08:48 | Nana Mava Circle | BRT-N | M | S | Big Bazaar | Ambedkar Nagar | C | Mahapuja Chowk | W | 2 | 4.4 | 0.7 | 1.1 | 16% |
| 379 | Haseeb-kanica | 14-12-2017 | 08:49 | Nana Mava Circle | BRT-N | M | S | Rail Nagar | Dharam Nagar | C | Om Nagar | W | 1 | 14 | 3.2 | 1.2 | 23% |
| 380 | Haseeb-kanica | 14-12-2017 | 08:50 | Nana Mava Circle | BRT-N | M | S | Raiya Chowkdi | Gondal City | C | Gondal Chowkdi | R | 1 | 40.9 | 7.5 | 6.5 | 18% |
| 381 | Haseeb-kanica | 14-12-2017 | 08:51 | Nana Mava Circle | BRT-N | M | B | Big Bazaar | Bapa Sitaram Chowk | C | Mavdi | R | 1 | 2.6 | 2.1 | 38.8 | 81% |
| 382 | Haseeb-kanica | 14-12-2017 | 08:52 | Nana Mava Circle | BRT-N | F | C | Ambika Township | Nana Mauva | . | Nana Mauva chowk | R | 1 | 5.6 | 2 | 0.6 | 36% |
| 383 | Haseeb-kanica | 14-12-2017 | 08:53 | Nana Mava Circle | BRT-N | F | SA | Jivan Nagar Society | Nandanvan 4 | C | Gondal Rd | R | 1 | 6.6 | 0 | 5.6 | 0% |
| 384 | Haseeb-kanica | 14-12-2017 | 08:54 | Nana Mava Circle | BRT-N | F | SA | Metoda | Balaji Hall | C | Mahapuja Chowk | R | 1 | 13.3 | 4.7 | 1.9 | 35% |
| 385 | Haseeb-kanica | 14-12-2017 | 08:55 | Nana Mava Circle | BRT-N | M | SA | Nikava Gam | Umiya Chowk | C | . | R | 1 | 30.3 | 2.05 | 28.25 | 7% |
| 386 | Haseeb-kanica | 14-12-2017 | 08:56 | Nana Mava Circle | BRT-E | M | B | Raj Nagar | Ambedkar Chowk | L | . | R | 1 | 3.9 | 2.6 | 1.3 | 67% |
| 387 | Haseeb-kanica | 14-12-2017 | 08:57 | Nana Mava Circle | BRT-E | M | B | Nana Mauva | Govardhan Chowk | L | Govardhan Chowk | R | 1 | 4.5 | 3.15 | 1.35 | 70% |
| 388 | Haseeb-kanica | 14-12-2017 | 08:58 | Nana Mava Circle | BRT-E | M | C | Sorathiya Wadi Circle | KKV | R | KKV | W | 2 | 5.8 | 4.2 | 0.3 | 72% |
| 389 | Haseeb-kanica | 14-12-2017 | 08:59 | Nana Mava Circle | BRT-E | M | C | Virani Chowk | Jivraj Nagar | C | Ambedkar Nagar | W | 2 | 6.1 | 1.4 | 4.4 | 23% |
| 390 | Haseeb-kanica | 14-12-2017 | 09:00 | Nana Mava Circle | BRT-E | F | C | Atika | Nana Mauva | C | Nana Mauva | R | 1 | 5.5 | 0 | 6.1 | 0% |
| 391 | Haseeb-kanica | 14-12-2017 | 09:01 | Nana Mava Circle | BRT-E | M | C | PDM College | Jalaram 2 | R | KKV | R | 2 | 7.8 | 0 | 5.5 | 0% |
| 392 | Haseeb-kanica | 14-12-2017 | 09:02 | Nana Mava Circle | BRT-E | F | S | Para Bazaar | Shashtri Nagar | C | Ambedkar Nagar | R | 1 | 21 | 0.8 | 7 | 4% |
| 393 | Haseeb-kanica | 14-12-2017 | 09:03 | Nana Mava Circle | BRT-E | M | S | Tagore Rd | Pushkardham | C | Ambedkar Nagar | R | 1 | 5.4 | 0 | 5.4 | 0% |
| 394 | Haseeb-kanica | 14-12-2017 | 09:04 | Nana Mava Circle | BRT-S | M | S | Balaji hall | Kotecha Chowk | C | KKV | W | 1 | 2.8 | 0 | 5.4 | 0% |
| 395 | Haseeb-kartikay | 14-12-2017 | 09:05 | Nana Mava Circle | BRT-S | M | S | Om Nagar | Hospital Chowk | R | KKV Chowk | W | 2 | 6.5 | 1.8 | 4.7 | 28% |

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|-----|-----------------|------------|-------|------------------|-------|---|----|------------------------|---------------------|---|--------------------------|---|---|------|------|------|-----|
| 396 | Haseeb-kartikay | 14-12-2017 | 09:06 | Nana Mava Circle | BRT-S | M | S | Samrat Industrial Area | Somnath Society | C | Raiya telephone exchange | R | 1 | 6.4 | 2.2 | 4.2 | 34% |
| 397 | Haseeb-kartikay | 14-12-2017 | 09:07 | Nana Mava Circle | BRT-S | M | S | Bapasitaram Chowk | Satya Sai Rd | C | Mavdi Chowkdi | R | 1 | 3.2 | 1.6 | 1.6 | 50% |
| 398 | Haseeb-kartikay | 14-12-2017 | 09:08 | Nana Mava Circle | BRT-W | M | S | Shashtri Nagar | Vijay Plot | C | Lakshmi Nagar Nala | W | 1 | 7.7 | 0 | 7.7 | 0% |
| 399 | Haseeb-kartikay | 14-12-2017 | 09:09 | Nana Mava Circle | BRT-W | M | S | Jivraj Park | University Rd | L | Big Bazaar | R | 1 | 5.3 | 0.7 | 4.6 | 13% |
| 400 | Haseeb-kartikay | 14-12-2017 | 09:10 | Nana Mava Circle | BRT-W | M | C | Ambika Township | Field Marshal Chowk | C | Raj Nagar Chowk | R | 2 | 8.1 | 0 | 8.1 | 0% |
| 401 | Haseeb-kartikay | 15-12-2017 | 09:11 | Raiya Chowk | BRT-E | F | SA | Bhagvati Para | Meera Nagar | c | | W | 1 | 7.5 | 0 | 7.5 | 0% |
| 402 | Haseeb-kartikay | 15-12-2017 | 09:12 | Raiya Chowk | BRT-E | M | S | Rail Nagar | Raiya Chowk | . | Raiya Chowk | W | 2 | 3.1 | 0 | 3.1 | 0% |
| 403 | Haseeb-kartikay | 15-12-2017 | 09:13 | Raiya Chowk | BRT-E | M | S | Nirmala Rd | Riddhi Siddhi Park | C | | W | 1 | 2.6 | 0 | 2.6 | 0% |
| 404 | Haseeb-kartikay | 15-12-2017 | 09:14 | Raiya Chowk | BRT-E | F | A | Airport Rd | University Rd | L | Indira Circle | R | 1 | 4.1 | 1.6 | 2.5 | 39% |
| 405 | Haseeb-kartikay | 15-12-2017 | 09:15 | Raiya Chowk | BRT-E | M | S | Ranchhod Nagar | Raiya Gam | C | | W | 2 | 8 | 0 | 8 | 0% |
| 406 | Haseeb-kartikay | 15-12-2017 | 09:16 | Raiya Chowk | BRT-E | M | S | Kanaiya Chowk | Nanavati Chowk | R | Nanavati Chowk | W | 1 | 1 | 0.75 | 0.25 | 75% |
| 407 | Haseeb-kartikay | 15-12-2017 | 09:17 | Raiya Chowk | BRT-E | M | C | Kanaiya Chowk | Raiya Chowk | . | Raiya Chowk | W | 1 | 0.3 | 0 | 0.3 | 0% |
| 408 | Haseeb-kartikay | 15-12-2017 | 09:18 | Raiya Chowk | BRT-E | M | C | Alkapuri Society | Raiya Chowk | . | Raiya Chowk | W | 1 | 1.9 | 0 | 1.9 | 0% |
| 409 | Haseeb-kartikay | 15-12-2017 | 09:19 | Raiya Chowk | BRT-N | M | S | Gandhigram | Kothariya Main Rd | C | Indira Circle | W | 2 | 9.5 | 4.2 | 5.3 | 44% |
| 410 | Haseeb-kartikay | 15-12-2017 | 09:20 | Raiya Chowk | BRT-N | M | S | Madhapar Chowkdi | Tirupati Nagar | C | | W | 2 | 3.5 | 3.1 | 0.4 | 89% |
| 411 | Haseeb-kartikay | 15-12-2017 | 09:21 | Raiya Chowk | BRT-N | F | SA | Sadhuvasvani Rd | Mahapuja Chowk | C | | W | 1 | 4.4 | 4.1 | 0.3 | 93% |
| 412 | Haseeb-kartikay | 15-12-2017 | 09:22 | Raiya Chowk | BRT-N | M | S | Jamnagar Rd | Vidya Nagar Main Rd | L | Hanuman Madhi | W | 2 | 9.3 | 0 | 9.3 | 0% |
| 413 | Haseeb-kartikay | 15-12-2017 | 09:23 | Raiya Chowk | BRT-N | M | S | Jamnagar Rd | Kanaiya Chowk | L | Hanuman Madhi | W | 1 | 6.5 | 4.7 | 1.8 | 72% |
| 414 | Haseeb-kartikay | 15-12-2017 | 09:24 | Raiya Chowk | BRT-N | M | C | Rail Nagar | Indira Circle | C | Raiya telephone exchange | W | 1 | 4.6 | 0 | 4.6 | 0% |
| 415 | Haseeb-kartikay | 15-12-2017 | 09:25 | Raiya Chowk | BRT-E | M | S | Govind Nagar | Raiya Gam | C | Rameshwar Chowk | W | 1 | 10.5 | 0 | 10.5 | 0% |
| 416 | Haseeb-kartikay | 15-12-2017 | 09:26 | Raiya Chowk | BRT-E | M | S | Brahma Samaj Chowk | 150ft. Rd | C | | R | 2 | 2.1 | 1.8 | 0.3 | 86% |
| 417 | Haseeb-kartikay | 15-12-2017 | 09:27 | Raiya Chowk | BRT-E | M | S | Nageshwar Park | Gandhigram | R | Ramapir Chowkdi | W | 1 | 7.6 | 3.1 | 4.5 | 41% |
| 418 | Haseeb-kartikay | 15-12-2017 | 09:28 | Raiya Chowk | BRT-E | M | SA | Krishna Nagar Chowk | Jamnagar City | R | | R | 1 | 7.9 | 3.2 | 4.7 | 41% |

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| 419 | Haseeb-kartikay | 15-12-2017 | 09:29 | Raiya Chowk | BRT-E | M | S | Gandhigram | Sadhuvasvani Rd | C | Rameshwar Chowk | W | 1 | 3 | 0 | 3 | 0% |
| 420 | Haseeb-kartikay | 15-12-2017 | 09:30 | Raiya Chowk | BRT-E | M | C | Kanaiya Chowk | Madhapar Chowkdi | R | Madhapar Chowkdi | W | 1 | 3.3 | 3.1 | 0.2 | 94% |
| 421 | Haseeb-kartikay | 15-12-2017 | 09:31 | Raiya Chowk | BRT-N | M | B | Bajrangwadi Circle | Anjali Park | L | | R | 1 | 26.9 | 9 | 17.9 | 33% |
| 422 | Haseeb-kartikay | 15-12-2017 | 09:32 | Raiya Chowk | BRT-N | M | S | Bansidhar Park | Moti Tanki Chowk | L | | R | 1 | 6.1 | 1.2 | 4.9 | 20% |
| 423 | Haseeb-kartikay | 15-12-2017 | 09:33 | Raiya Chowk | BRT-N | F | SA | Ramapir Chowkdi | Astrone Chowk | C | KKV | W | 2 | 4.6 | 2.7 | 1.9 | 59% |
| 424 | Haseeb-kartikay | 15-12-2017 | 09:34 | Raiya Chowk | BRT-N | M | S | Gandhigram | Big Bazaar | C | Big Bazaar | W | 2 | 3.9 | 3.1 | 0.8 | 79% |
| 425 | Haseeb-kartikay | 15-12-2017 | 09:35 | Raiya Chowk | BRT-N | M | C | Ramdevpir Chowk | Raiya Chowk | C | Raiya Chowkdi | R | 1 | 4.2 | 0 | 4.2 | 0% |
| 426 | Haseeb-kartikay | 15-12-2017 | 09:36 | Raiya Chowk | BRT-E | M | S | Mahavir Nagar | Raiya Chowk | . | Raiya Chowkdi | W | 1 | 2 | 0 | 2 | 0% |
| 427 | Haseeb-kartikay | 15-12-2017 | 09:37 | Raiya Chowk | BRT-E | M | C | Akshar Nagar | Raiya Chowk | . | Raiya Chowkdi | R | 1 | 2.9 | 1.9 | 1 | 66% |
| 428 | Haseeb-kartikay | 15-12-2017 | 09:38 | Raiya Chowk | BRT-N | M | SA | Lakh no Bunglow | ST. Bus Stand | L | | R | 2 | 6 | 1.2 | 4.8 | 20% |
| 429 | Haseeb-kartikay | 15-12-2017 | 09:39 | Raiya Chowk | BRT-E | M | S | Lakh no Bunglow | Sterling Hospital | L | | W | 2 | 2.1 | 0 | 2.1 | 0% |
| 430 | Haseeb-kartikay | 15-12-2017 | 09:40 | Raiya Chowk | BRT-E | M | SA | Hospital Chowk | Raiya Chowk | . | Raiya Chowk | W | 2 | 5 | 0 | 5 | 0% |
| 431 | Haseeb-kartikay | 15-12-2017 | 09:41 | Raiya Chowk | BRT-E | M | S | Mochi Nagar Society | Mavdi Chowkdi | L | Mavdi Chowkdi | W | 1 | 9.8 | 4.6 | 5.2 | 47% |
| 432 | Haseeb-kartikay | 15-12-2017 | 09:42 | Raiya Chowk | BRT-N | M | S | Ravi Ratna Park | Dharam Cinema | C | Raiya Chowkdi | W | 1 | 6.6 | 0 | 6.6 | 0% |
| 433 | Haseeb-kartikay | 15-12-2017 | 09:43 | Raiya Chowk | BRT-N | M | C | Bharti Nagar | Jam Tower | C | Raiya Chowkdi | W | 1 | 7.5 | 0 | 7.5 | 0% |
| 434 | Haseeb-kartikay | 15-12-2017 | 09:44 | Raiya Chowk | BRT-N | M | S | Nageshwar Park | Karmachari Society | C | Indira Circle | W | 1 | 10.5 | 0 | 10.5 | 0% |
| 435 | Haseeb-kartikay | 15-12-2017 | 09:45 | Raiya Chowk | BRT-N | M | C | Bharti Nagar | Swapnalok Residency | R | | R | 3 | 8.8 | 4.2 | 4.6 | 48% |
| 436 | Haseeb-kartikay | 15-12-2017 | 09:46 | Raiya Chowk | BRT-E | M | SA | Airport Rd | Raiyadhar | L | Raiyadhar | W | 2 | 4.6 | 1 | 3.6 | 22% |
| 437 | Haseeb-kartikay | 15-12-2017 | 09:47 | Raiya Chowk | BRT-E | M | S | Bajrangwadi Circle | Panchayat Chowk | L | Indira Circle | W | 2 | 4.5 | 3.1 | 1.4 | 69% |
| 438 | Haseeb-kartikay | 15-12-2017 | 09:48 | Raiya Chowk | BRT-E | M | S | Wakaner Society | Wokhart Hospital | L | KKV | W | 1 | 6.6 | 6.2 | 0.4 | 94% |
| 439 | Haseeb-kartikay | 15-12-2017 | 09:49 | Raiya Chowk | BRT-E | M | S | Lakh no Bunglow | Madhapar Gam | R | Madhapar Chowkdi | W | 1 | 2.7 | 1.4 | 1.3 | 52% |
| 440 | Haseeb-kartikay | 15-12-2017 | 09:50 | Raiya Chowk | BRT-E | M | C | Gandhigram | Ramdevpir Chowk | L | Ramapir Chowkdi | R | 1 | 3.1 | 2.1 | 1 | 68% |
| 441 | Haseeb-kartikay | 15-12-2017 | 09:51 | Raiya Chowk | BRT-E | M | C | Limbdi Gam | Lakh No Bunglow | L | Ramapir Chowkdi | R | 1 | 155 | 4.6 | 150.4 | 3% |
| 442 | Haseeb-kartikay | 15-12-2017 | 09:52 | Raiya Chowk | BRT-E | M | C | Popat Para | Limbudi Wadi Rd | L | Raiya | R | 2 | 15.8 | 2.1 | 13.7 | 13% |

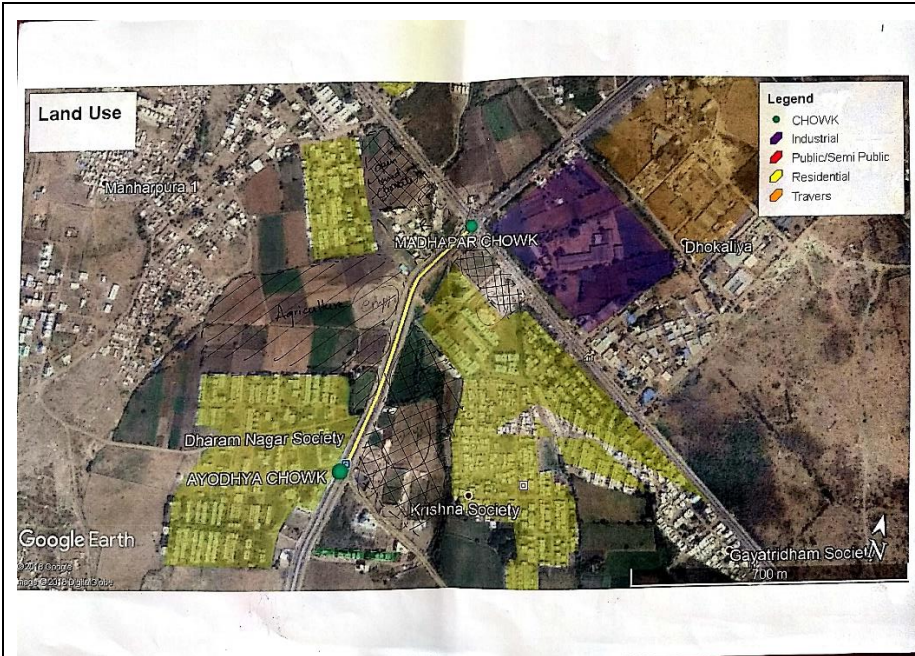
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| 443 | Haseeb-kartikay | 15-12-2017 | 09:53 | Raiya Chowk | BRT-N | M | S | Gokul Mathura Chowk | Gandhigram | | | R | 2 | 2.2 | 1.4 | 0.8 | 64% |
| 444 | Haseeb-kartikay | 15-12-2017 | 09:54 | Raiya Chowk | BRT-N | M | S | Jamnagar Rd | KKV | C | | R | 2 | 5.2 | 4.9 | 0.3 | 94% |
| 445 | Haseeb-kartikay | 15-12-2017 | 09:55 | Raiya Chowk | BRT-N | M | C | Gandhi Nagar | Astrone Chowk | C | | R | 1 | 3.2 | 0.45 | 2.75 | 14% |
| 446 | Haseeb-kartikay | 15-12-2017 | 09:56 | Raiya Chowk | BRT-N | M | S | Madhapar Chowkdi | Bharti Nagar | C | Ramdevpi r | R | 1 | 2.2 | 0.4 | 1.8 | 18% |
| 447 | Haseeb-kartikay | 15-12-2017 | 09:57 | Raiya Chowk | BRT-N | F | SA | Jamnagar Rd | Sadhavasvani Rd | C | Raiya Chowkdi | W | 1 | 7.1 | 2.2 | 4.9 | 31% |
| 448 | Haseeb-kartikay | 15-12-2017 | 09:58 | Raiya Chowk | BRT-N | M | S | Gandhi Society | Alap Green City | C | Raiya | W | 1 | 6.9 | 3.1 | 3.8 | 45% |
| 449 | Haseeb-kartikay | 15-12-2017 | 09:59 | Ayodhya Chowk | BRT-E | M | S | Astha Avenue | Khanderi Gam | R | Madhapar Chowkdi | R | 1 | 13.2 | 2 | 11.2 | 15% |
| 450 | Haseeb-kartikay | 15-12-2017 | 10:01 | Ayodhya Chowk | BRT-E | M | S | Astha Avenue | Big Bazaar | L | Big Bazaar | W | 1 | 16.7 | 3.1 | 13.6 | 19% |
| 451 | Haseeb-kartikay | 15-12-2017 | 10:02 | Ayodhya Chowk | BRT-E | M | S | Astha Avenue | Astrone Chowk | L | Indira Circle | W | 1 | 17.6 | 3.3 | 14.3 | 19% |
| 452 | Haseeb-kartikay | 15-12-2017 | 10:03 | Ayodhya Chowk | BRT-N | M | S | Rail Nagar | Raiya Chowkdi | C | Raiya Chowkdi | W | 1 | 8.3 | 1.6 | 6.7 | 19% |
| 453 | Haseeb-kartikay | 15-12-2017 | 10:04 | Ayodhya Chowk | BRT-N | M | C | Hospital Chowk | Bhid Bhanjan Society | C | | W | 1 | 14.5 | 4.6 | 9.9 | 32% |
| 454 | Haseeb-kartikay | 15-12-2017 | 10:05 | Ayodhya Chowk | BRT-N | M | S | Vora Society | Gandhigram | C | | R | 1 | 3 | 2 | 1 | 67% |
| 455 | haseeb - satya | 15-12-2017 | 10:06 | AYODHYA CHOWK | BRT-N | M | C | Nageshwar Park | Panchayat Chowk | C | Nanavati Chowk | W | 4 | 13.4 | 1.6 | 11.8 | 12% |
| 456 | haseeb - satya | 15-12-2017 | 10:07 | AYODHYA CHOWK | BRT-N | F | SA | Christ Hospital | Kalawad Rd | C | | W | 2 | 11.2 | 4.2 | 7 | 38% |
| 457 | haseeb - satya | 15-12-2017 | 10:08 | AYODHYA CHOWK | BRT-N | F | SA | Jamnagar Rd | metoda | C | KKV | W | 1 | 19.4 | 5.5 | 13.9 | 28% |
| 458 | haseeb - satya | 15-12-2017 | 10:09 | AYODHYA CHOWK | BRT-N | M | SA | Para Pipadiya | Hanuman Madhi | C | Raiya Chowkdi | W | 1 | 9.2 | 4 | 5.2 | 43% |
| 459 | haseeb - satya | 15-12-2017 | 10:10 | AYODHYA CHOWK | BRT-N | M | C | Morbi City | Indira Circle | C | Indira Circle | R | 2 | 6.4 | 0 | 6.4 | 0% |
| 460 | haseeb - satya | 15-12-2017 | 10:11 | AYODHYA CHOWK | BRT-N | M | S | Madhapar Chowkdi | Raiya Chowkdi | | | R | 1 | 3 | 3 | 0 | 100% |
| 461 | haseeb - satya | 15-12-2017 | 10:12 | MADHAPAR CHOWKDI | BRT-E | M | S | Bajrangwadi Circle | SRP Camp | C | MADHAPAR CHOWKDI | R | 2 | 6.3 | 0 | 6.3 | 0% |
| 462 | haseeb - satya | 15-12-2017 | 10:13 | MADHAPAR CHOWKDI | BRT-E | M | S | Bajrangwadi Circle | Nyara | | MADHAPAR CHOWKDI | W | 1 | 10.3 | 0 | 10.3 | 0% |
| 463 | haseeb - satya | 15-12-2017 | 10:14 | MADHAPAR CHOWKDI | BRT-E | F | SA | Hospital Chowk | Ghanteshwar Park | C | MADHAPAR CHOWKDI | R | 2 | 6.4 | 0 | 6.4 | 0% |
| 464 | haseeb - satya | 15-12-2017 | 10:15 | MADHAPAR CHOWKDI | BRT-E | M | SA | Hospital Chowk | MADHAPAR CHOWKDI | . | MADHAPAR CHOWKDI | R | 1 | 4.4 | 3.3 | 1.1 | 75% |

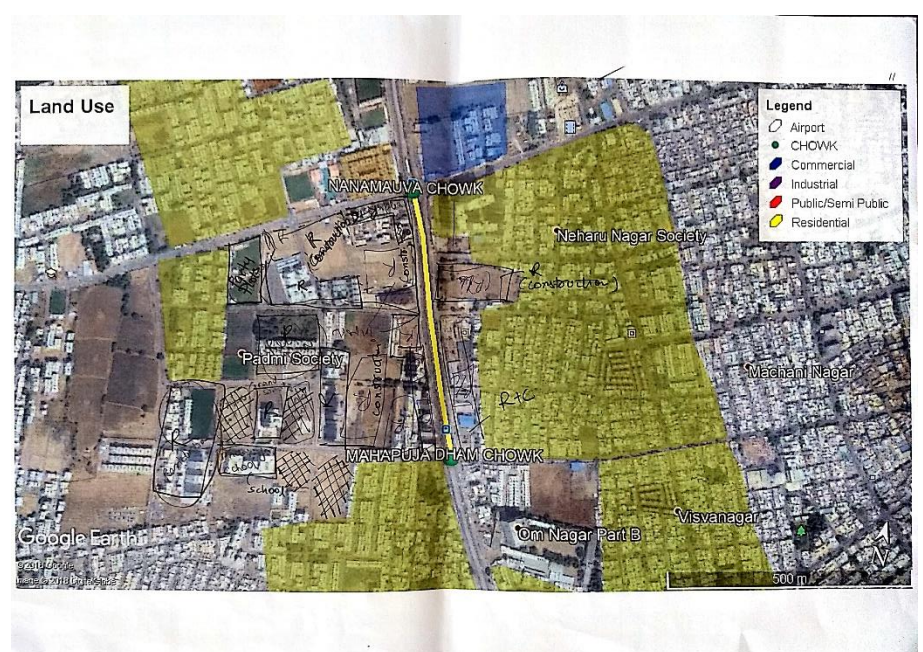
| | | | | | | | | | | | | | | | | | | |
|-----|------------------|------------|-------|------------------|-------|---|-------|-------------------------|-----------------------|---|---------------------|---|---|------|-----|------|-----|-----------|
| 465 | haseeb - satya | 15-12-2017 | 10:16 | MADHAPAR CHOWKDI | BRT-E | M | C | Rail Nagar | MADHAPAR CHOWKDI | . | MADHAPAR CHOWKDI | W | 1 | 6.3 | 4.6 | 1.7 | 73% | |
| 466 | haseeb - satya | 15-12-2017 | 10:17 | MADHAPAR CHOWKDI | BRT-E | F | S_Cab | Ranchhod Nagar | Jamnagar City | C | | R | 2 | 92 | 0 | 92 | 0% | Intercity |
| 467 | haseeb - satya | 15-12-2017 | 10:18 | MADHAPAR CHOWKDI | BRT-E | M | S_Cab | Jagnath Rd | Jamnagar City | C | | R | 3 | 92 | 0 | 92 | 0% | Intercity |
| 468 | haseeb - satya | 15-12-2017 | 10:19 | MADHAPAR CHOWKDI | BRT-N | M | C | Bedi Gam | Gondal Rd | L | Pipadiya Toll Plaza | W | 1 | 104 | 0 | 104 | 0% | Intercity |
| 469 | haseeb - satya | 15-12-2017 | 10:20 | MADHAPAR CHOWKDI | BRT-N | M | B | Rail Nagar | Atmiya College | L | | E | 1 | 10.5 | 0 | 10.5 | 0% | |
| 470 | haseeb - satya | 15-12-2017 | 10:21 | MADHAPAR CHOWKDI | BRT-N | M | S | Rail Nagar | MADHAPAR CHOWKDI | . | MADHAPAR CHOWKDI | W | 1 | 6.3 | 0 | 6.3 | 0% | |
| 471 | haseeb - satya | 15-12-2017 | 10:22 | MADHAPAR CHOWKDI | BRT-N | M | S | MADHAPAR CHOWKDI | Sadhuvasvani Rd | L | Indira Circle | W | 2 | 4.9 | 3.2 | 1.7 | 65% | |
| 472 | haseeb - satya | 20-12-2017 | 09:00 | MAHAPUJA CHOWK | BRT-N | M | S | Nirmala Rd | Mavdi Chowkdi | C | Mavdi Chowkdi | W | 1 | 4.2 | 2.4 | 1.8 | 57% | |
| 473 | haseeb - satya | 20-12-2017 | 09:03 | MAHAPUJA CHOWK | BRT-N | M | S | Sadhuvasvani Rd | Gondal Chowkdi | C | Gondal Chowkdi | W | 1 | 8.4 | 4.2 | 4.2 | 50% | |
| 474 | haseeb - satya | 20-12-2017 | 09:04 | MAHAPUJA CHOWK | BRT-N | F | A | Balaji hall | Gondal Chowkdi | C | Gondal Chowkdi | R | 1 | 4.3 | 3.8 | 0.5 | 88% | |
| 475 | haseeb - satya | 20-12-2017 | 09:05 | MAHAPUJA CHOWK | BRT-N | M | A | Ramapir Chowkdi | MAHAPUJA CHOWK | . | MAHAPUJA CHOWK | W | 1 | 5.4 | 4.7 | 0.7 | 87% | |
| 476 | haseeb - satya | 20-12-2017 | 09:06 | MAHAPUJA CHOWK | BRT-N | M | S | Gandhigram | Mavdi Chowkdi | C | Mavdi Chowkdi | W | 1 | 5.6 | 4.9 | 0.7 | 88% | |
| 477 | haseeb - satya | 20-12-2017 | 09:07 | MAHAPUJA CHOWK | BRT-E | M | S | Chandresh Nagar Society | Dharam Nagar | C | | W | 1 | 6.1 | 4.2 | 1.9 | 69% | |
| 478 | haseeb - satya | 20-12-2017 | 09:08 | MAHAPUJA CHOWK | BRT-E | M | S | Bapasitaram Chowk | MAHAPUJA CHOWK | . | MAHAPUJA CHOWK | W | 1 | 2.6 | 1.4 | 1.2 | 54% | |
| 479 | haseeb - satya | 20-12-2017 | 09:09 | MAHAPUJA CHOWK | BRT-E | M | S | Guruprasad Chowk | 150ft. Rd | R | Big Bazaar | W | 1 | 5.8 | 3.6 | 2.2 | 62% | |
| 480 | haseeb - satya | 20-12-2017 | 09:10 | MAHAPUJA CHOWK | BRT-E | M | A | Chandresh Nagar Society | Gondal City | L | Gondal Chowkdi | W | 1 | 38.9 | 7.3 | 31.6 | 19% | |
| 481 | haseeb - satya | 20-12-2017 | 09:11 | MAHAPUJA CHOWK | BRT-E | M | C | Mayani Chowk | Mauva Circle | C | Mavdi Chowkdi | W | 1 | 1.6 | 0.8 | 0.8 | 50% | |
| 482 | haseeb - satya | 20-12-2017 | 09:12 | MAHAPUJA CHOWK | BRT-S | M | S | Mavdi Rd | Mauva Circle | C | Nana Mauva | W | 1 | 2.9 | 1.4 | 1.5 | 48% | |
| 483 | haseeb - satya | 20-12-2017 | 09:13 | MAHAPUJA CHOWK | BRT-S | F | SA | Krishna Park | Indira Circle | C | Indira Circle | W | 2 | 16.2 | 4.9 | 11.3 | 30% | |
| 484 | haseeb - satya | 20-12-2017 | 09:14 | MAHAPUJA CHOWK | BRT-S | F | SA | Sapar | Indira Circle | C | Indira Circle | R | 1 | 16 | 6.1 | 9.9 | 38% | Intercity |
| 485 | haseeb - sandeep | 20-12-2017 | 09:14 | MAHAPUJA CHOWK | BRT-S | F | SA(T) | Sapar | KKV | C | KKV | E | 1 | 15.7 | 0.9 | 14.8 | 6% | |
| 486 | haseeb - sandeep | 20-12-2017 | 09:15 | MAHAPUJA CHOWK | BRT-S | M | S | Bapasitaram Chowk | Saurashtra University | C | Indira Circle | E | 1 | 7.3 | 3 | 4.3 | 41% | |

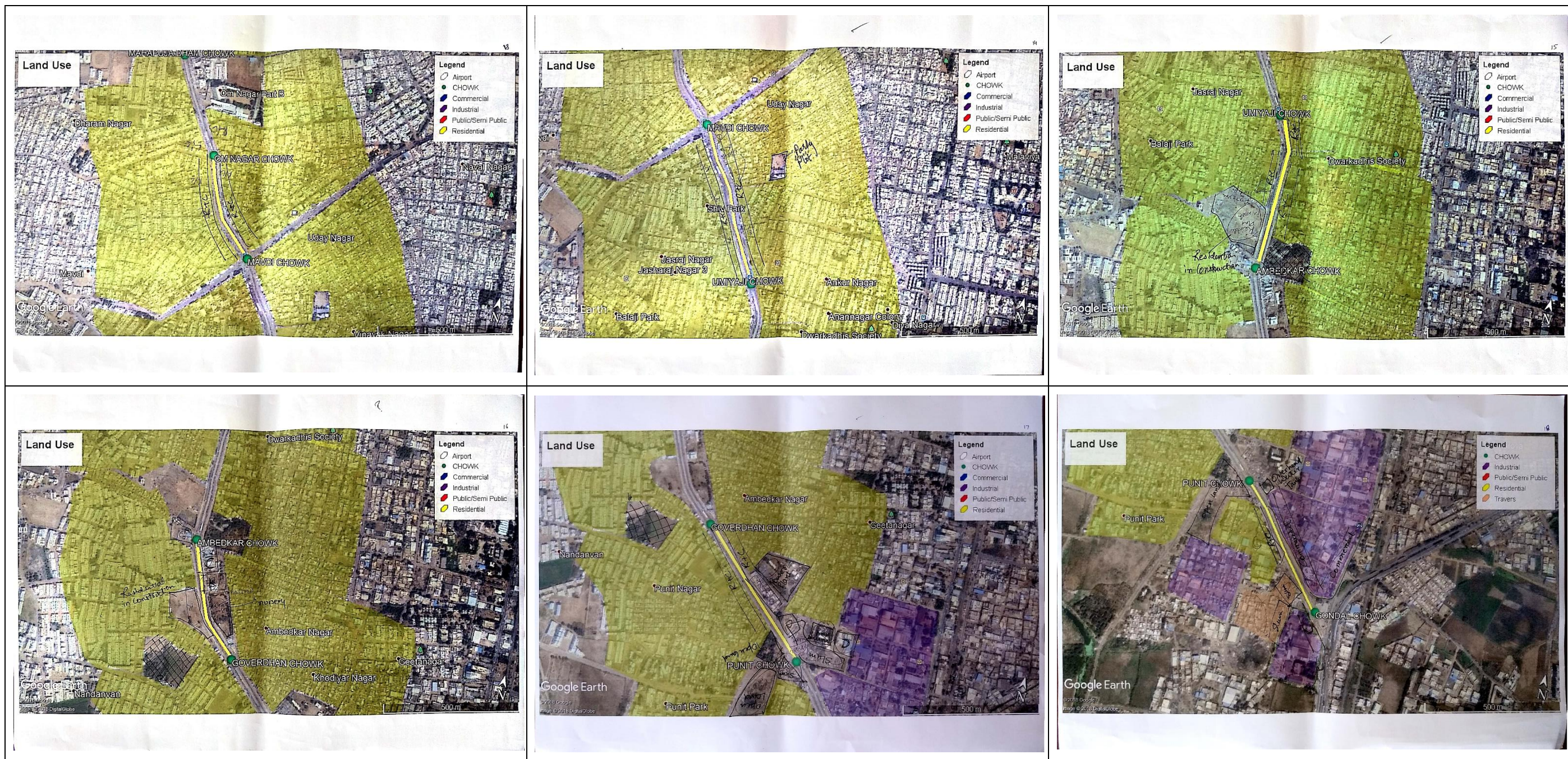
| | | | | | | | | | | | | | | | | | | |
|-----|------------------|------------|-------|-------------------|-------|---|----|-------------------------|------------------------|---|--------------------|---|---|------|------|------|------|-----------|
| 487 | haseeb - sandeep | 20-12-2017 | 09:16 | MAHAPUJA CHOWK | BRT-N | M | S | Prajapati-2 | Pedak Rd | | | W | 1 | 13.5 | 4.4 | 9.1 | 33% | |
| 488 | haseeb - sandeep | 20-12-2017 | 09:17 | MAHAPUJA CHOWK | BRT-N | M | S | Dharam Nagar | Virani Chowk | L | | W | 1 | 8.6 | 4.8 | 3.8 | 56% | |
| 489 | haseeb - sandeep | 20-12-2017 | 09:18 | MAHAPUJA CHOWK | BRT-N | M | S | Nana Mauva | Guruprasad Chowk | R | | W | 2 | 2.9 | 1.4 | 1.5 | 48% | |
| 490 | haseeb - sandeep | 20-12-2017 | 09:19 | MAHAPUJA CHOWK | BRT-N | M | S | Crystall Mall | Gondal Chowkdi | R | Gondal Chowkdi | W | 1 | 7.5 | 5.8 | 1.7 | 77% | |
| 491 | haseeb - sandeep | 20-12-2017 | 09:20 | MAHAPUJA CHOWK | BRT-N | M | S | Rampark | Mavdi Chowkdi | R | Mavdi Chowkdi | W | 1 | 3.8 | 0.7 | 3.1 | 18% | |
| 492 | haseeb - sandeep | 20-12-2017 | 09:21 | MAHAPUJA CHOWK | BRT-N | M | S | Kalawad Rd | MAHAPUJA CHOWK | . | MAHAPUJA CHOWK | W | 1 | 6.6 | 5.9 | 0.7 | 89% | Intercity |
| 493 | haseeb - sandeep | 20-12-2017 | 09:22 | OM NAGAR CHOWK | BRT-N | M | B | 150ft. Rd | Patel Nagar | R | OM NAGAR CHOWK | W | 2 | 15.8 | 6.4 | 9.4 | 41% | Intercity |
| 494 | haseeb - sandeep | 20-12-2017 | 09:23 | OM NAGAR CHOWK | BRT-N | M | C | Madhapar | Mavdi Chowkdi | C | Mavdi Chowkdi | R | 2 | 7.7 | 7.7 | 0 | 100% | |
| 495 | haseeb - sandeep | 20-12-2017 | 09:24 | OM NAGAR CHOWK | BRT-N | M | S | Gandhigram | Gondal Chowkdi | C | Gondal Chowkdi | R | 1 | 9 | 7.8 | 1.2 | 87% | |
| 496 | haseeb - sandeep | 20-12-2017 | 09:25 | OM NAGAR CHOWK | BRT-S | M | S | Chandresh Nagar Society | Mavdi Chowkdi | C | Mavdi Chowkdi | W | 2 | 1.4 | 0.85 | 0.55 | 61% | |
| 497 | haseeb - sandeep | 20-12-2017 | 09:26 | OM NAGAR CHOWK | BRT-S | M | S | Mavdi Rd | OM NAGAR CHOWK | . | OM NAGAR CHOWK | R | 1 | 1.9 | 0.4 | 1.5 | 21% | |
| 498 | haseeb - sandeep | 20-12-2017 | 09:27 | OM NAGAR CHOWK | BRT-S | M | S | Bapasitaram Chowk | KKV | C | KKV | R | 2 | 6.4 | 3.3 | 3.1 | 52% | |
| 499 | haseeb - sandeep | 20-12-2017 | 09:28 | OM NAGAR CHOWK | BRT-S | M | S | Gokuldharm Society | Gandhigram | L | | E | 1 | 7.6 | 6.2 | 1.4 | 82% | |
| 500 | haseeb - sandeep | 20-12-2017 | 09:29 | OM NAGAR CHOWK | BRT-S | M | S | Nana Mauva | OM NAGAR CHOWK | . | OM NAGAR CHOWK | R | 1 | 2.6 | 0.7 | 1.9 | 27% | |
| 501 | haseeb - sandeep | 20-12-2017 | 09:30 | OM NAGAR CHOWK | BRT-S | M | S | Mavdi Rd | KKV | C | KKV | W | 2 | 4.2 | 4.2 | 0 | 100% | |
| 502 | haseeb - sandeep | 20-12-2017 | 09:31 | OM NAGAR CHOWK | BRT-W | M | S | Parimal Park | Lakshmi Nagar Nala | L | Mavdi Chowkdi | R | 1 | 6.9 | 4.2 | 2.7 | 61% | |
| 503 | haseeb - sandeep | 20-12-2017 | 09:32 | OM NAGAR CHOWK | BRT-W | M | S | Om Nagar Chowk | Balaji Hall | L | | W | 1 | 0.45 | 0.45 | 0 | 100% | |
| 504 | haseeb - sandeep | 20-12-2017 | 09:33 | OM NAGAR CHOWK | BRT-W | M | S | kothariya road | Om Nagar | L | Om Nagar | W | 1 | 8.1 | 4.2 | 3.9 | 52% | |
| 505 | haseeb - sandeep | 20-12-2017 | 09:34 | PUNIT NAGAR CHOWK | BRT-N | M | S | Madhapar Chowkdi | Kothariya Main Rd | L | | R | 1 | 15.6 | 10.7 | 4.9 | 69% | |
| 506 | haseeb - sandeep | 20-12-2017 | 09:35 | PUNIT NAGAR CHOWK | BRT-N | M | S | Mavdi Chowkdi | Kothariya Main Rd | L | | R | 1 | 8.3 | 3.4 | 4.9 | 41% | |
| 507 | haseeb - sandeep | 20-12-2017 | 09:36 | PUNIT NAGAR CHOWK | BRT-N | M | S | Umiya Chowk | Ranchhod Nagar Main Rd | C | Green Land Chowkdi | R | 1 | 14.1 | 2.8 | 11.3 | 20% | |
| 508 | haseeb - sandeep | 20-12-2017 | 09:37 | PUNIT NAGAR CHOWK | BRT-N | M | SA | Munjka | Punit nagar chowk | . | | R | 2 | 9 | 6 | 3 | 67% | |

| | | | | | | | | | | | | | | | | | | |
|-----|------------------|------------|-------|-------------------|-------|---|----|-------------------|-------------------|---|-------------------|---|---|-------|------|-------|------|-----------|
| 509 | haseeb - sandeep | 20-12-2017 | 09:38 | PUNIT NAGAR CHOWK | BRT-N | M | B | Balaji hall | Gondal Chowkdi | C | Gondal Chowkdi | R | 1 | 4.3 | 2.7 | 1.6 | 63% | |
| 510 | haseeb - sandeep | 20-12-2017 | 09:39 | PUNIT NAGAR CHOWK | BRT-E | M | C | Punit Nagar | Nandanvan 4 | C | | R | 2 | 1.4 | 0 | 1.4 | 0% | |
| 511 | haseeb - sandeep | 20-12-2017 | 09:40 | PUNIT NAGAR CHOWK | BRT-E | M | S | Mangal Park | 80ft Rd | C | | R | 1 | 13.1 | 7.6 | 5.5 | 58% | |
| 512 | haseeb - sandeep | 20-12-2017 | 09:41 | PUNIT NAGAR CHOWK | BRT-E | M | S | kothariya road | Punit nagar chowk | | Punit nagar chowk | R | 2 | 3.7 | 0 | 3.7 | 0% | |
| 513 | haseeb - sandeep | 20-12-2017 | 09:42 | PUNIT NAGAR CHOWK | BRT-E | M | S | Marketing Yard | Vavdi | C | | R | 1 | 12 | 0 | 12 | 0% | |
| 514 | haseeb - sandeep | 20-12-2017 | 09:43 | PUNIT NAGAR CHOWK | BRT-S | M | S | Kalpwan Society | Govardhan Chowk | | | R | 1 | 10.5 | 1.4 | 9.1 | 13% | |
| 515 | haseeb - sandeep | 20-12-2017 | 09:44 | PUNIT NAGAR CHOWK | BRT-S | M | SA | Gondal Chowkdi | Punit nagar chowk | | Punit nagar chowk | R | 1 | 0.65 | 0.65 | 0 | 100% | |
| 516 | haseeb - sandeep | 20-12-2017 | 09:45 | PUNIT NAGAR CHOWK | BRT-S | F | SA | Gondal Chowkdi | Raiya Gam | C | Raiya Chowkdi | R | 3 | 10.7 | 2.5 | 8.2 | 23% | |
| 517 | haseeb - sandeep | 20-12-2017 | 09:46 | PUNIT NAGAR CHOWK | BRT-S | M | S | Punit nagar chowk | Ramapir Chowk | C | Ramapir Chowkdi | R | 1 | 7.9 | 0.4 | 7.5 | 5% | |
| 518 | haseeb - sandeep | 20-12-2017 | 09:47 | PUNIT NAGAR CHOWK | BRT-W | M | S | Mavdi | Gondal Rd | C | | R | 2 | 5 | 3.4 | 1.6 | 68% | |
| 519 | haseeb - sandeep | 20-12-2017 | 09:48 | PUNIT NAGAR CHOWK | BRT-W | M | S | Punit nagar chowk | Gondal City | R | | R | 1 | 33.8 | 0.65 | 33.15 | 2% | |
| 520 | haseeb - sandeep | 20-12-2017 | 09:49 | PUNIT NAGAR CHOWK | BRT-W | M | S | Punit Nagar | Mavdi Rd | R | | R | 1 | 3.1 | 2.4 | 0.7 | 77% | |
| 521 | haseeb - sandeep | 20-12-2017 | 09:50 | GONDAL CHOWKDI | BRT-W | M | SA | Jamnagar City | Kothariya Main Rd | C | | R | 3 | 101.5 | 10.7 | 90.8 | 11% | Intercity |
| 522 | haseeb - sandeep | 20-12-2017 | 09:51 | GONDAL CHOWKDI | BRT-W | M | S | Gondal Chowkdi | Gokuldham | | | R | 1 | 3.15 | 2.5 | 0.65 | 79% | |
| 523 | haseeb - sandeep | 20-12-2017 | 09:52 | GONDAL CHOWKDI | BRT-W | M | S | Kothariya | Relience Mart | C | | R | 2 | 12.1 | 7.2 | 4.9 | 60% | |

8.3.3 Land use survey sheets







8.4 Data of respondents for both Bus and Other than Bus O-D

| Region | All Mode Other than Bus | Bus |
|--------|-------------------------|-----|
| 1 | 0 | 0 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |

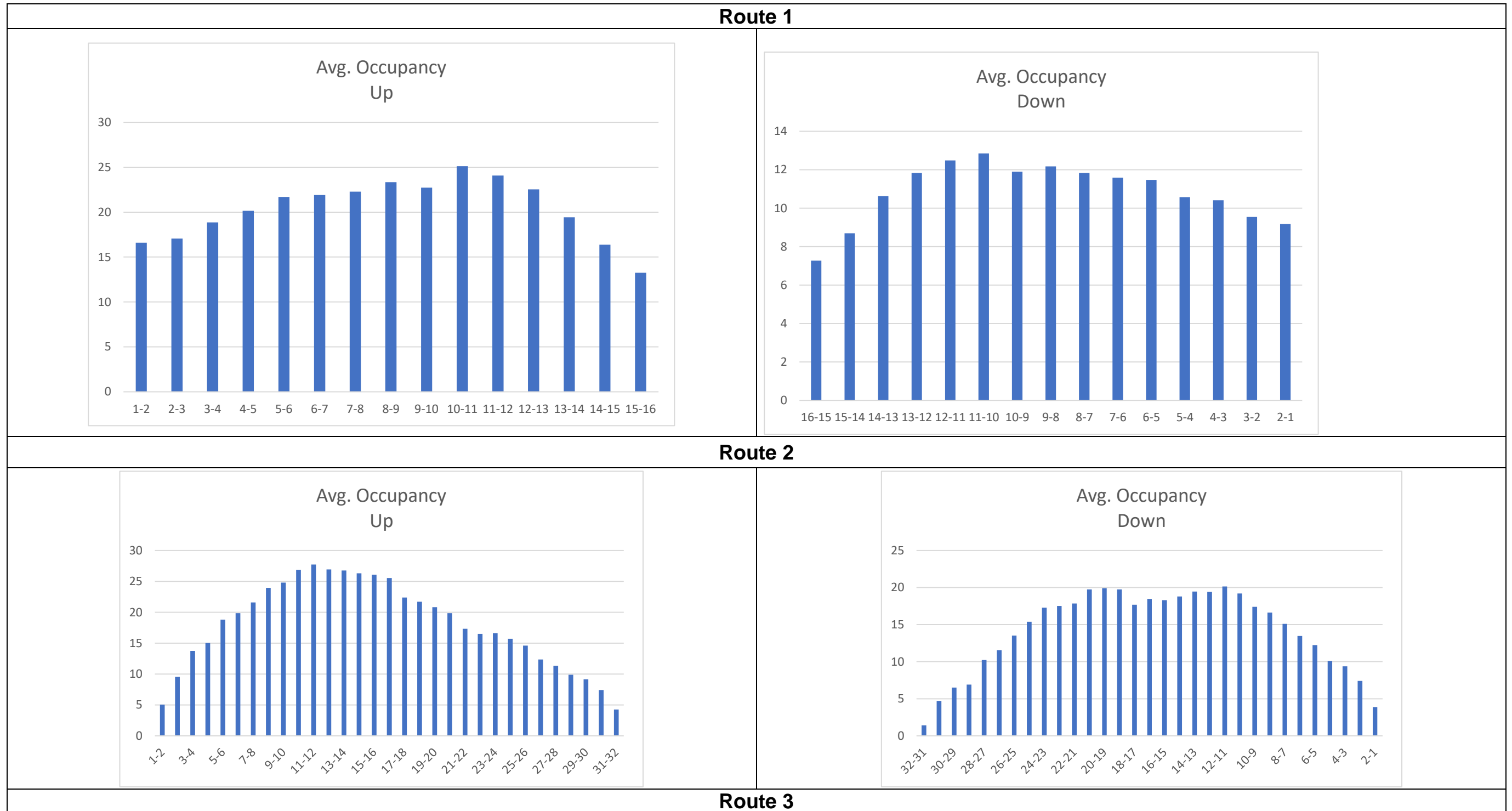
| Region | All Mode Other than Bus | Bus |
|--------|-------------------------|-----|
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 1 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 1 | 0 |
| 24 | 0 | 0 |
| 25 | 1 | 0 |
| 26 | 0 | 0 |
| 27 | 0 | 0 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 1 | 0 |
| 31 | 0 | 0 |
| 32 | 1 | 0 |
| 33 | 7 | 5 |
| 34 | 3 | 0 |
| 35 | 0 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 1 |
| 38 | 39 | 12 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 1 | 0 |
| 43 | 3 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 2 | 0 |
| 48 | 0 | 0 |
| 49 | 0 | 0 |
| 50 | 0 | 0 |
| 51 | 0 | 0 |
| 52 | 0 | 0 |
| 53 | 0 | 0 |

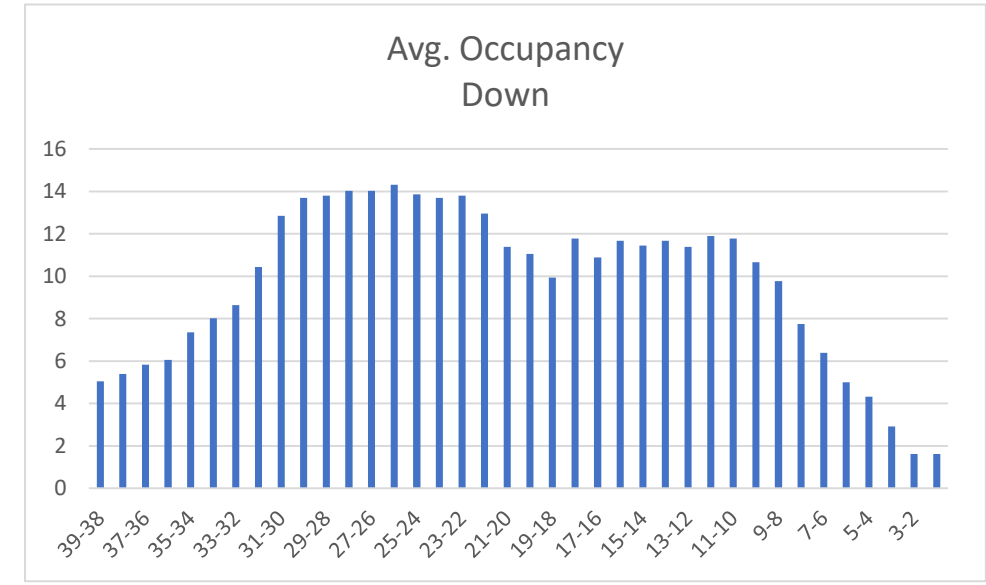
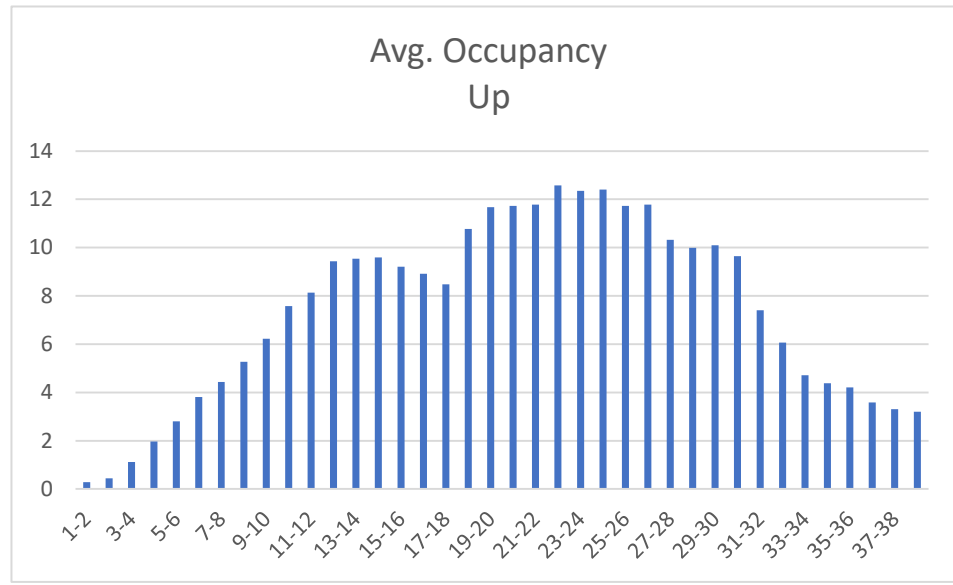
| Region | All Mode Other than Bus | Bus |
|--------|-------------------------|-----|
| 54 | 2 | 0 |
| 55 | 1 | 0 |
| 56 | 2 | 0 |
| 57 | 6 | 1 |
| 58 | 9 | 1 |
| 59 | 17 | 3 |
| 60 | 15 | 14 |
| 61 | 16 | 2 |
| 62 | 0 | 0 |
| 63 | 0 | 0 |
| 64 | 0 | 0 |
| 65 | 8 | 3 |
| 66 | 60 | 23 |
| 67 | 4 | 0 |
| 68 | 4 | 1 |
| 69 | 2 | 0 |
| 70 | 6 | 0 |
| 71 | 2 | 0 |
| 72 | 5 | 0 |
| 73 | 1 | 0 |
| 74 | 4 | 0 |
| 75 | 1 | 0 |
| 76 | 2 | 0 |
| 77 | 20 | 0 |
| 78 | 19 | 2 |
| 79 | 0 | 0 |
| 80 | 18 | 0 |
| 81 | 56 | 20 |
| 82 | 15 | 4 |
| 83 | 8 | 2 |
| 84 | 2 | 0 |
| 85 | 2 | 3 |
| 86 | 1 | 0 |
| 87 | 22 | 3 |
| 88 | 19 | 18 |
| 89 | 15 | 10 |
| 90 | 17 | 4 |
| 91 | 18 | 0 |
| 92 | 5 | 0 |
| 93 | 2 | 0 |
| 94 | 0 | 0 |
| 95 | 0 | 0 |
| 96 | 0 | 0 |
| 97 | 0 | 0 |
| 98 | 0 | 0 |
| 99 | 1 | 0 |

| Region | All Mode Other than Bus | Bus |
|--------|-------------------------|-----|
| 100 | 3 | 0 |
| 101 | 1 | 0 |
| 102 | 3 | 0 |
| 103 | 0 | 0 |
| 104 | 6 | 0 |
| 105 | 22 | 0 |
| 106 | 0 | 0 |
| 107 | 10 | 7 |
| 108 | 6 | 2 |
| 109 | 88 | 20 |
| 110 | 16 | 10 |
| 111 | 6 | 3 |
| 112 | 7 | 4 |
| 113 | 2 | 0 |
| 114 | 1 | 0 |
| 115 | 17 | 4 |
| 116 | 18 | 21 |
| 117 | 4 | 2 |
| 118 | 19 | 0 |
| 119 | 9 | 4 |
| 120 | 5 | 2 |
| 121 | 2 | 0 |
| 122 | 5 | 0 |
| 123 | 0 | 0 |
| 124 | 0 | 0 |
| 125 | 0 | 0 |
| 126 | 1 | 1 |
| 127 | 0 | 0 |
| 128 | 0 | 0 |
| 129 | 0 | 0 |
| 130 | 0 | 1 |
| 131 | 0 | 0 |
| 132 | 2 | 0 |
| 133 | 2 | 0 |
| 134 | 1 | 2 |
| 135 | 6 | 0 |
| 136 | 36 | 13 |
| 137 | 3 | 4 |
| 138 | 6 | 5 |
| 139 | 5 | 1 |
| 140 | 0 | 0 |
| 141 | 3 | 0 |
| 142 | 1 | 0 |
| 143 | 19 | 6 |
| 144 | 20 | 17 |
| 145 | 1 | 1 |

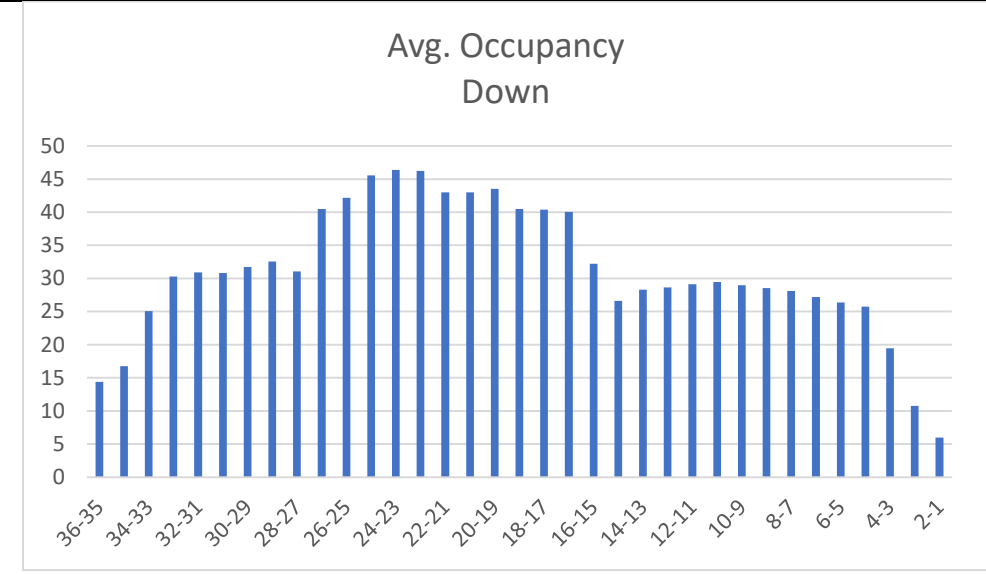
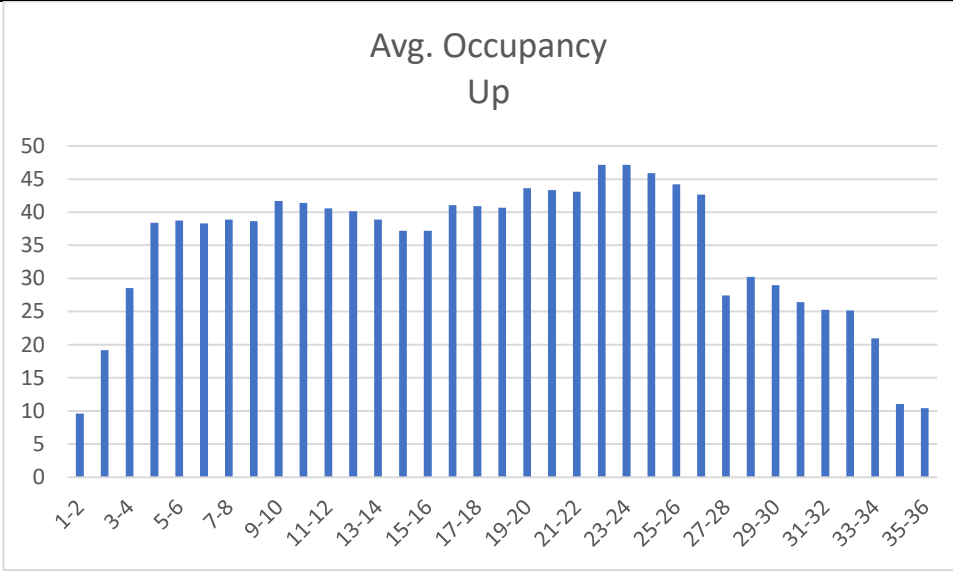
| Region | All Mode Other than Bus | Bus |
|--------|-------------------------|-----|
| 146 | 23 | 9 |
| 147 | 2 | 0 |
| 148 | 0 | 0 |
| 149 | 7 | 2 |
| 150 | 0 | 0 |
| 151 | 0 | 0 |
| 152 | 0 | 0 |
| 153 | 0 | 0 |
| 154 | 2 | 0 |
| 155 | 1 | 0 |
| 156 | 30 | 7 |
| 157 | 1 | 0 |
| 158 | 2 | 0 |
| 159 | 0 | 0 |
| 160 | 2 | 1 |
| 161 | 0 | 0 |
| 162 | 0 | 0 |
| 163 | 0 | 0 |
| 164 | 0 | 0 |
| 165 | 2 | 0 |
| 166 | 2 | 0 |
| 167 | 0 | 0 |
| 168 | 6 | 0 |
| 169 | 0 | 0 |
| 170 | 3 | 0 |
| 171 | 2 | 0 |
| 172 | 1 | 0 |
| 173 | 0 | 0 |
| 174 | 2 | 0 |
| 175 | 1 | 0 |
| 176 | 1 | 0 |
| 177 | 5 | 0 |
| Outer | 53 | 20 |

8.5 Graphical Representation of Average Occupancy for RMTS Routes

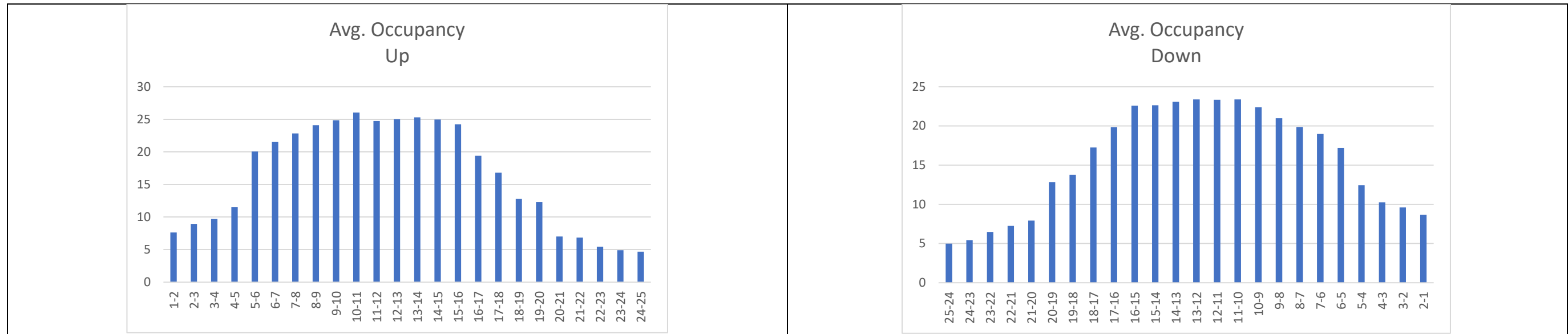




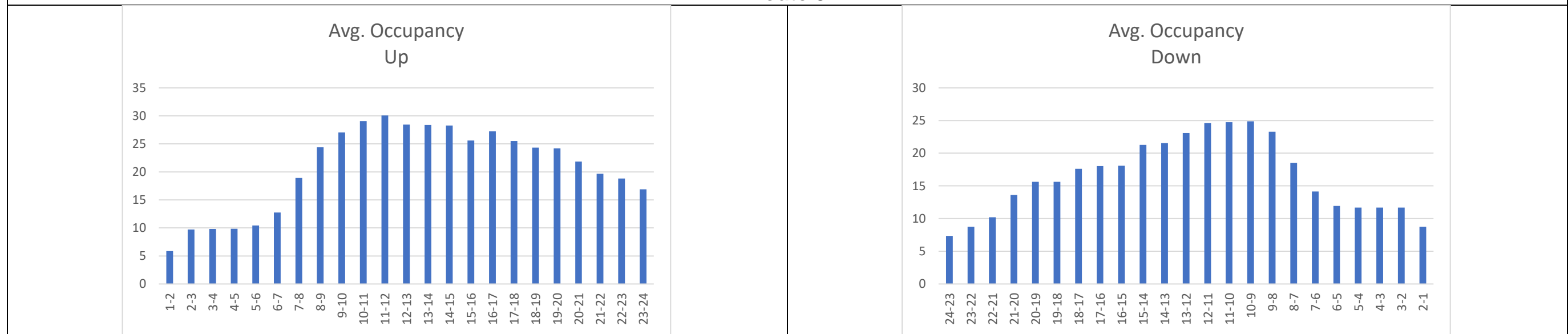
Route 5



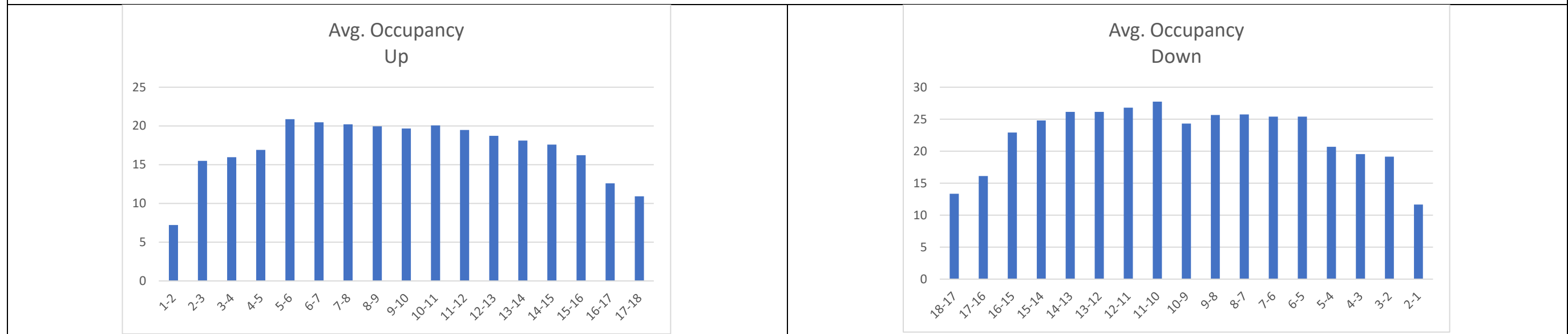
Route 7



Route 8

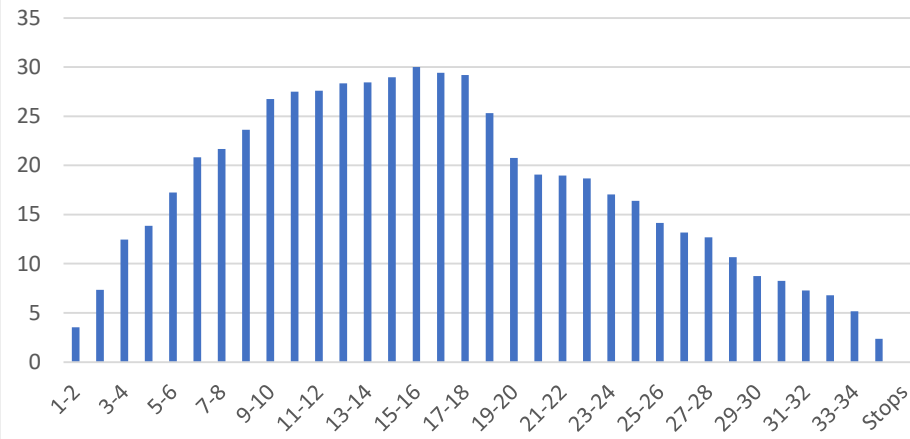


Route 11

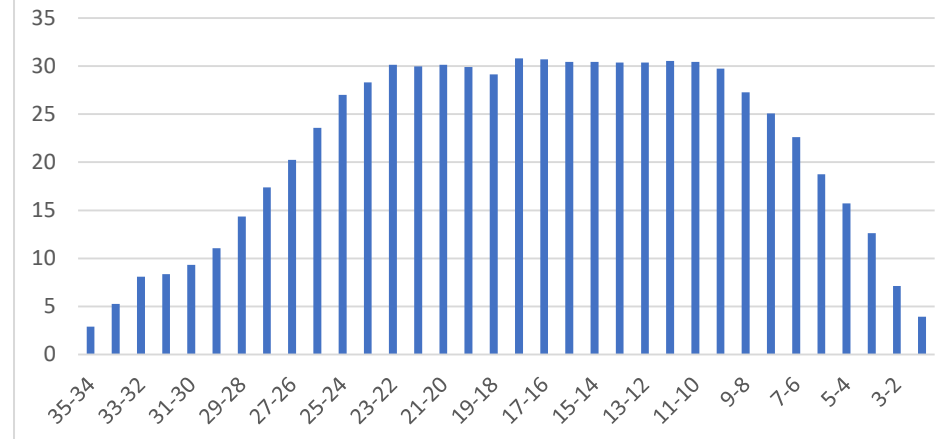


Route 16

Avg Occupancy
Up

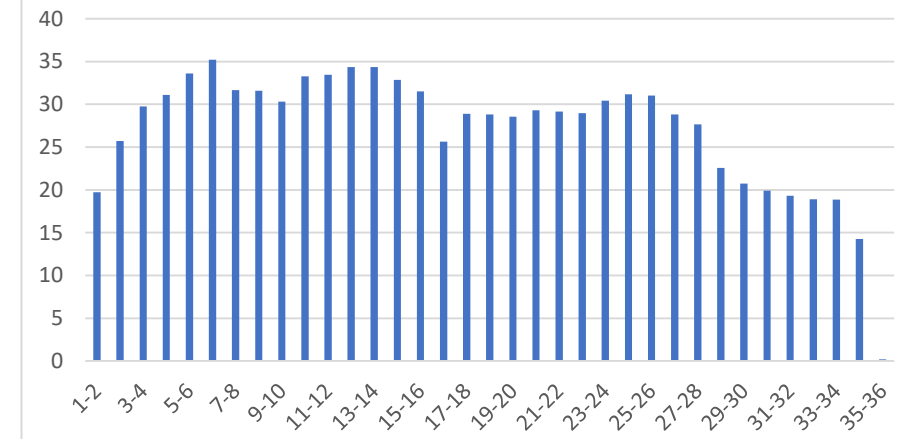


Avg Occupancy
Down

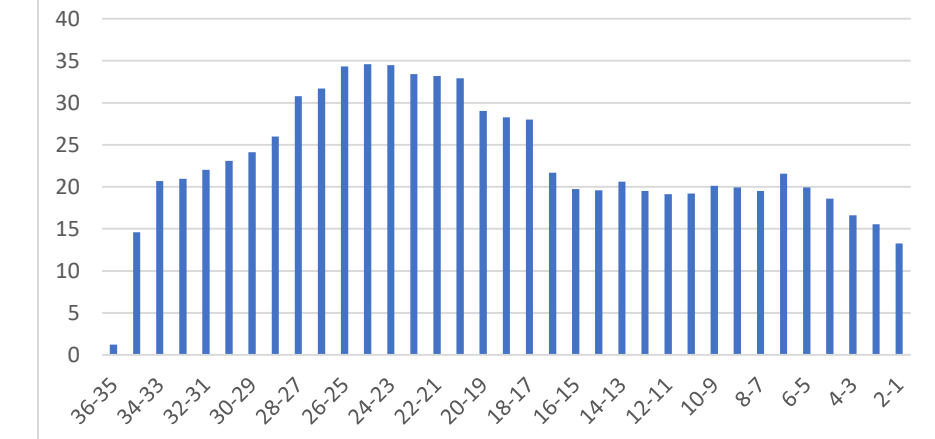


Route 17

Avg Occupancy
Up

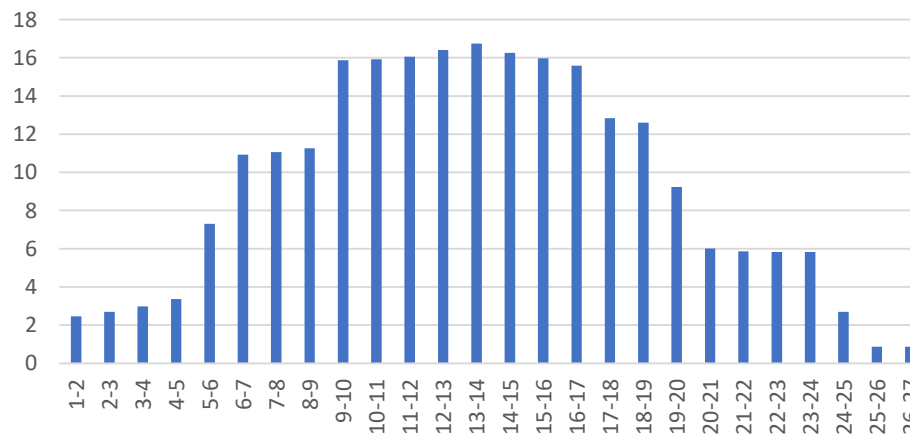


Avg Occupancy
Down

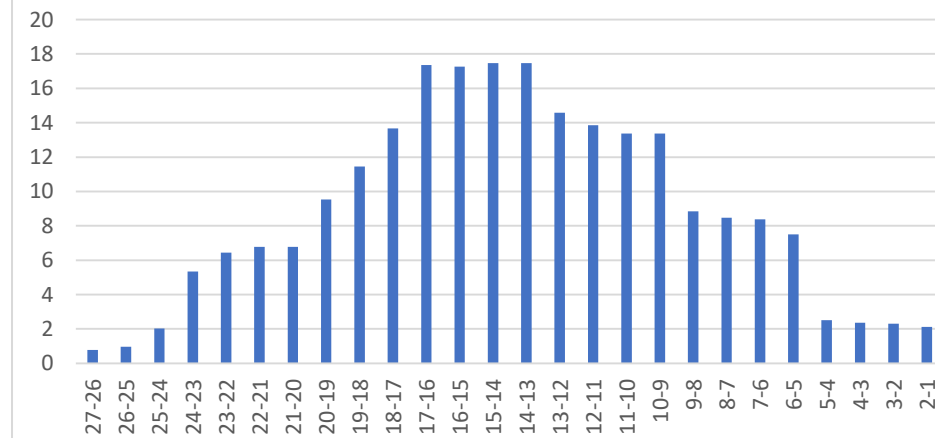


Route 19

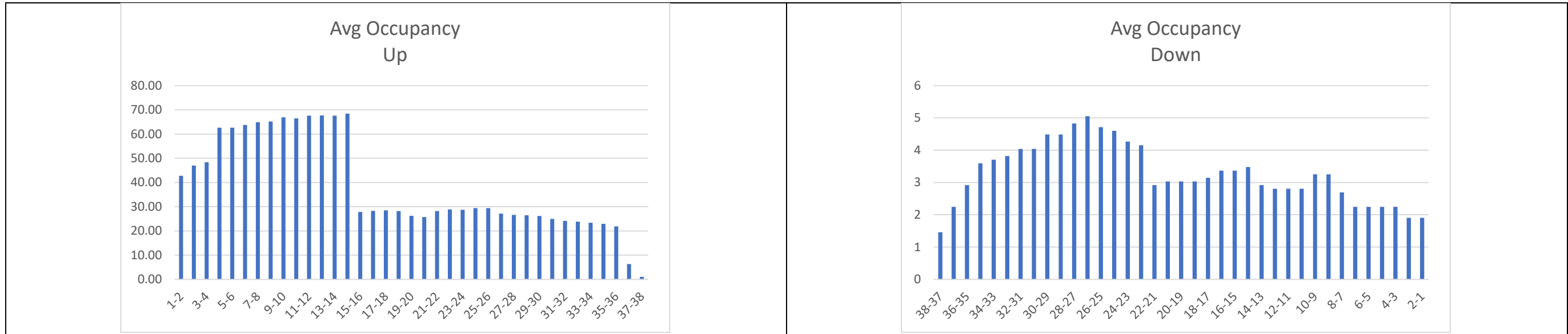
Avg Occupancy
Up



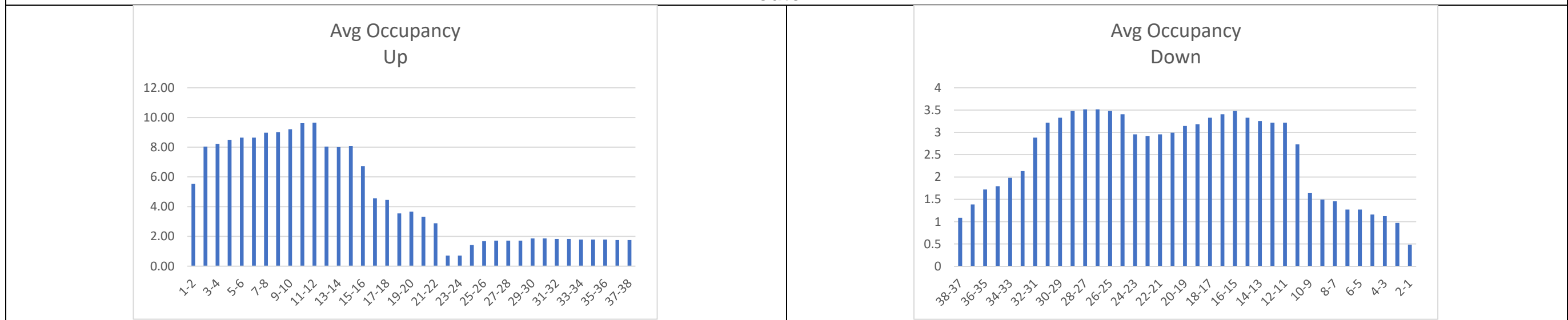
Avg Occupancy
Down



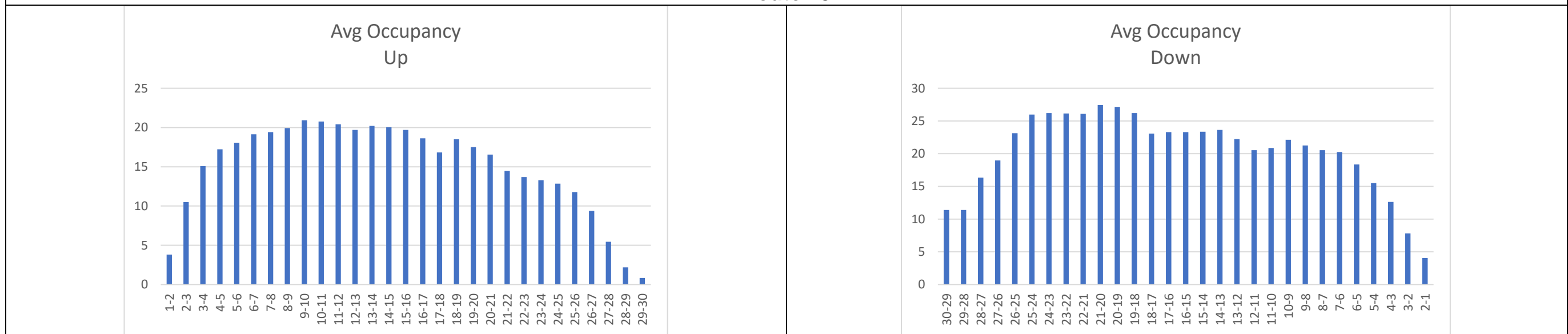
Route 20



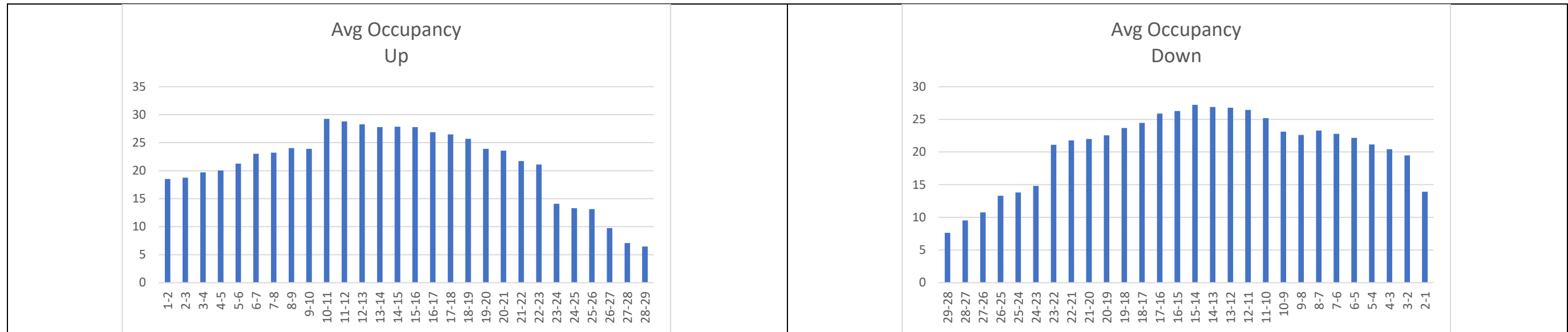
Route 21



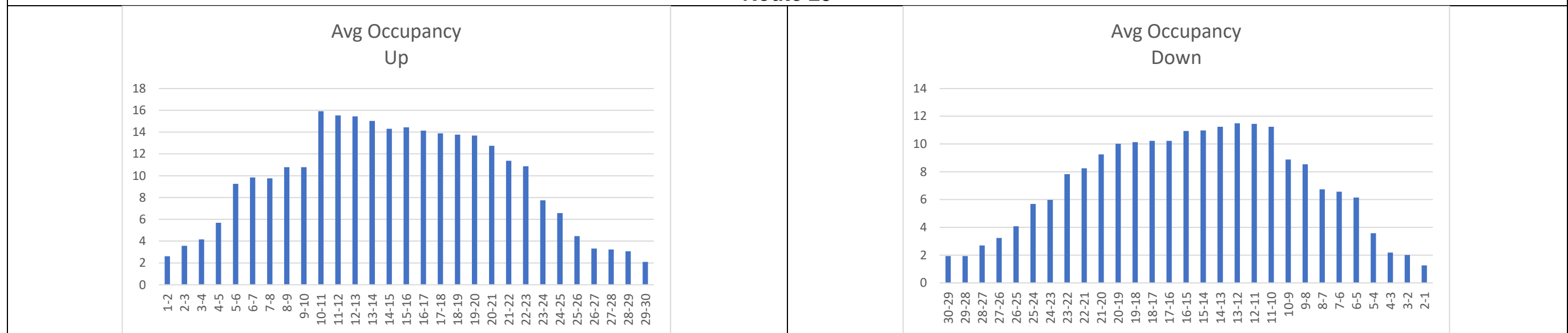
Route 23



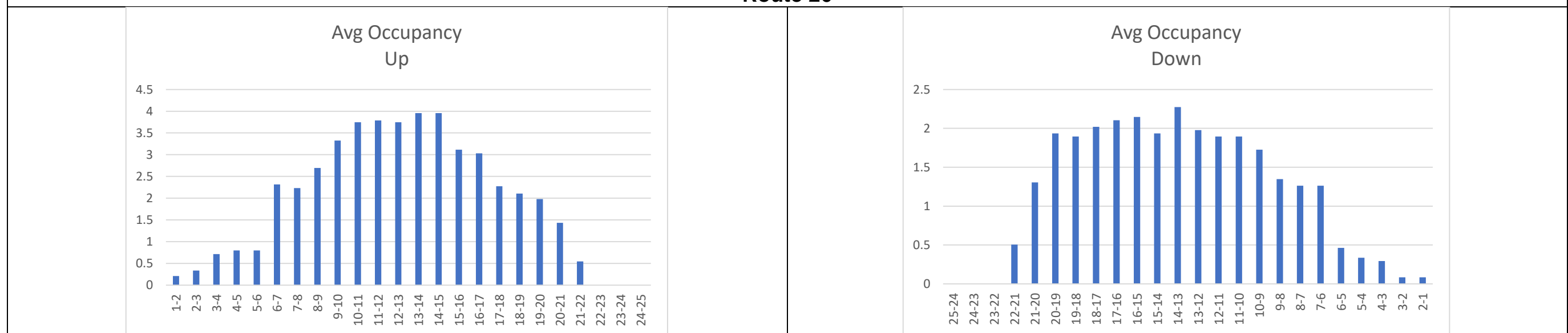
Route 24



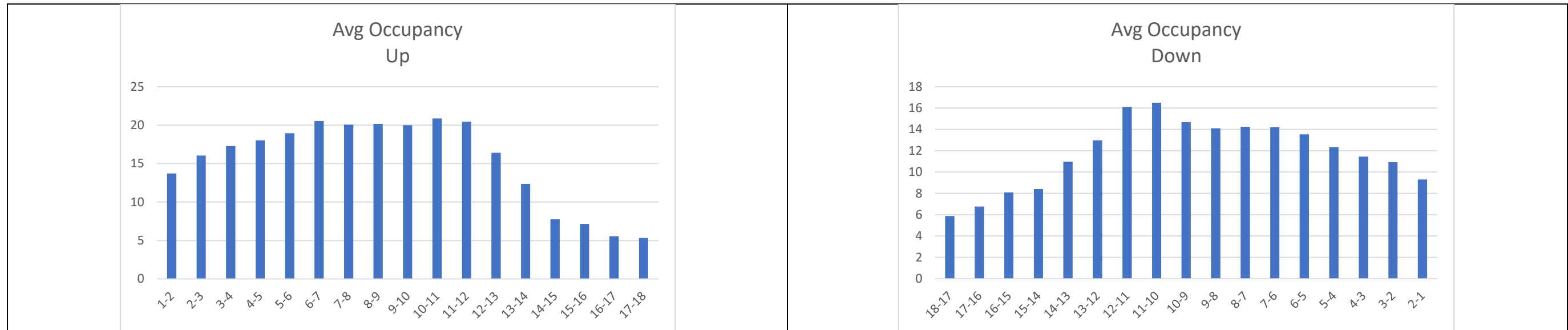
Route 25



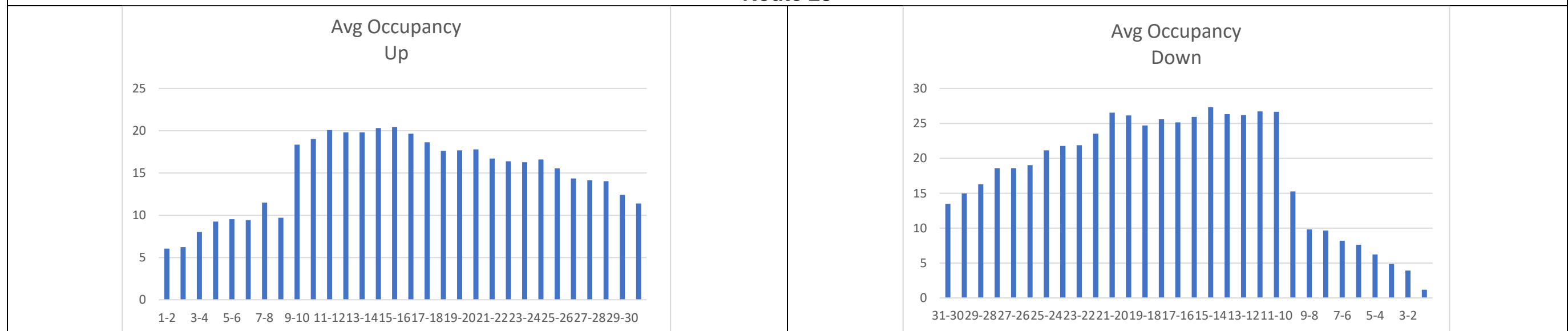
Route 26



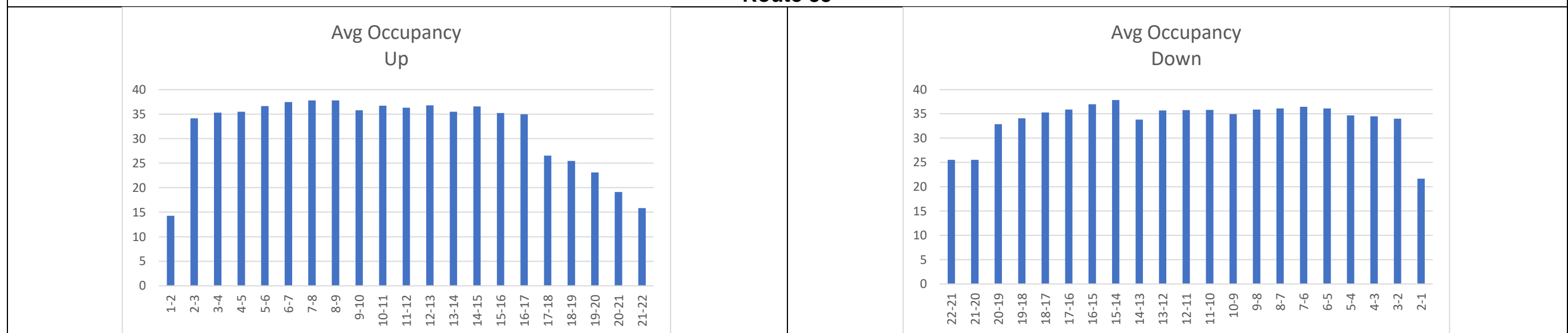
Route 27



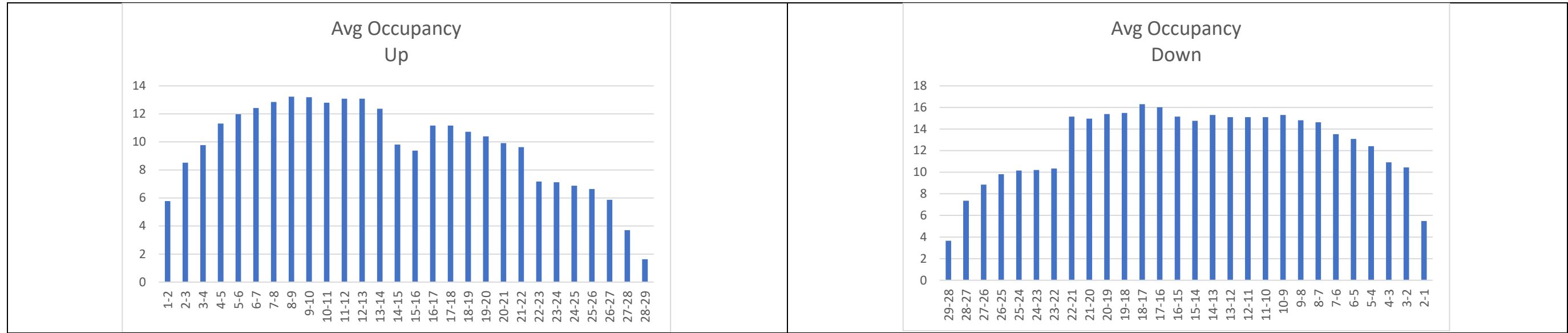
Route 28



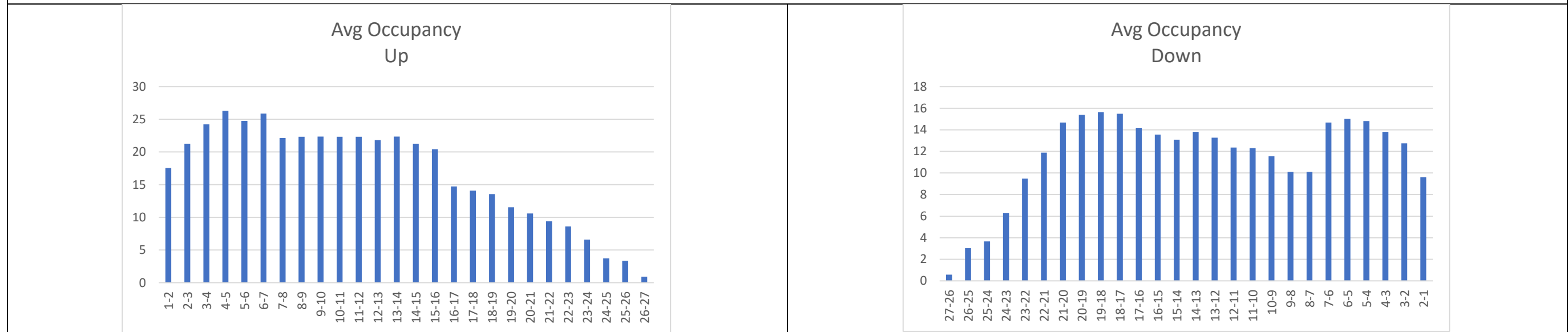
Route 35



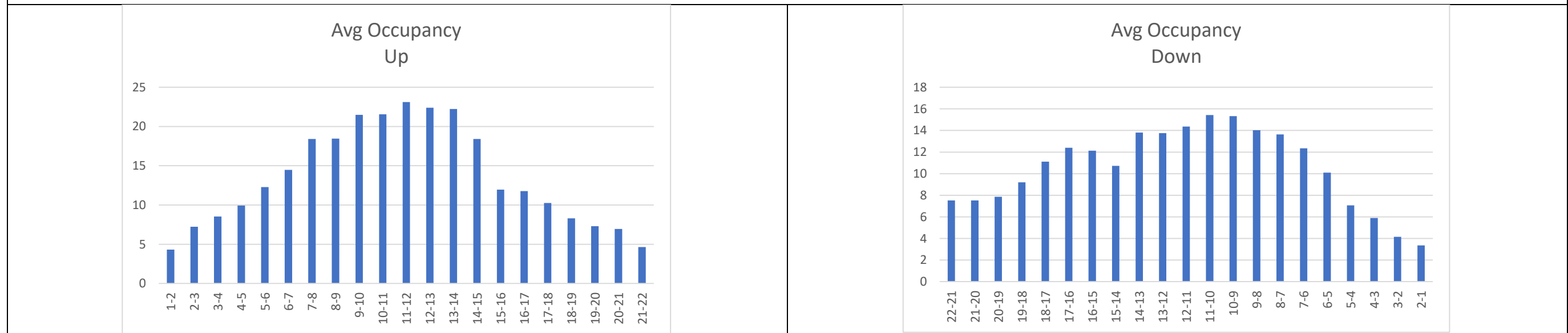
Route 38



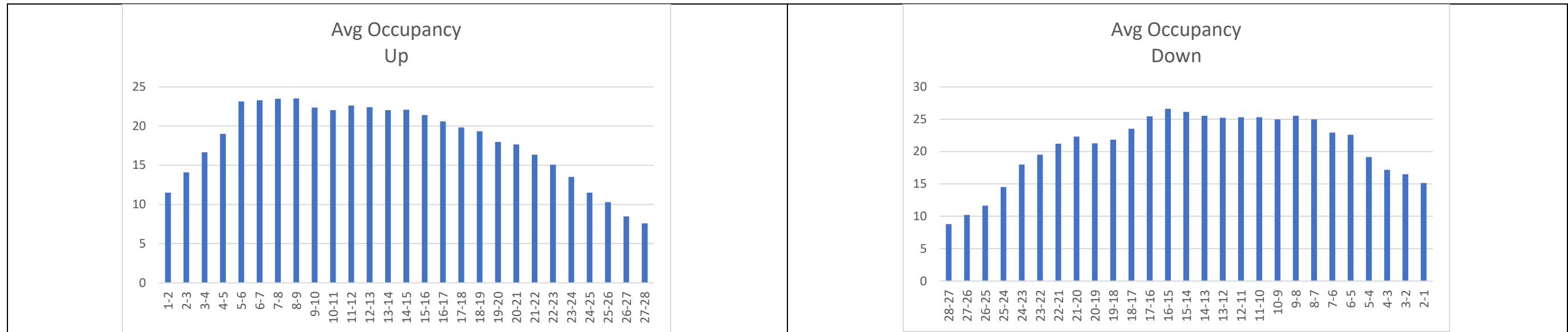
Route 40



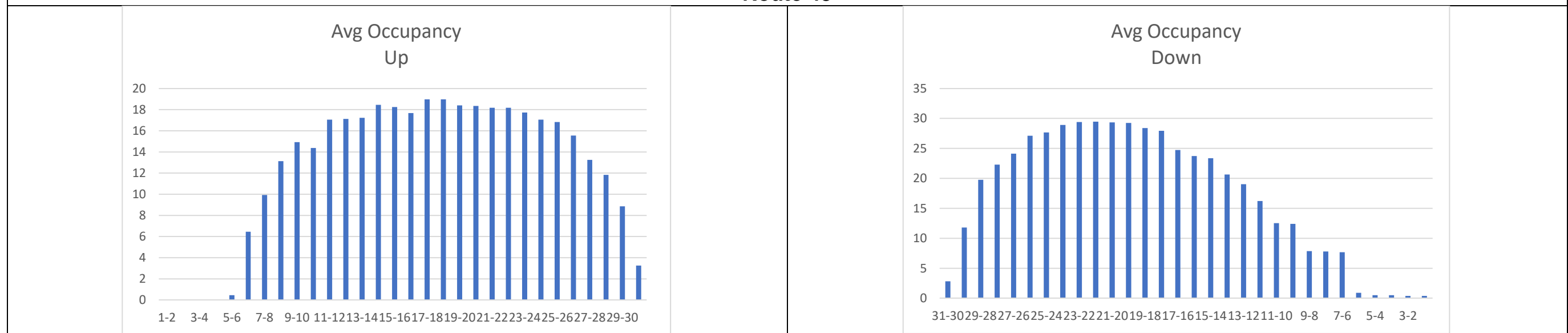
Route 41



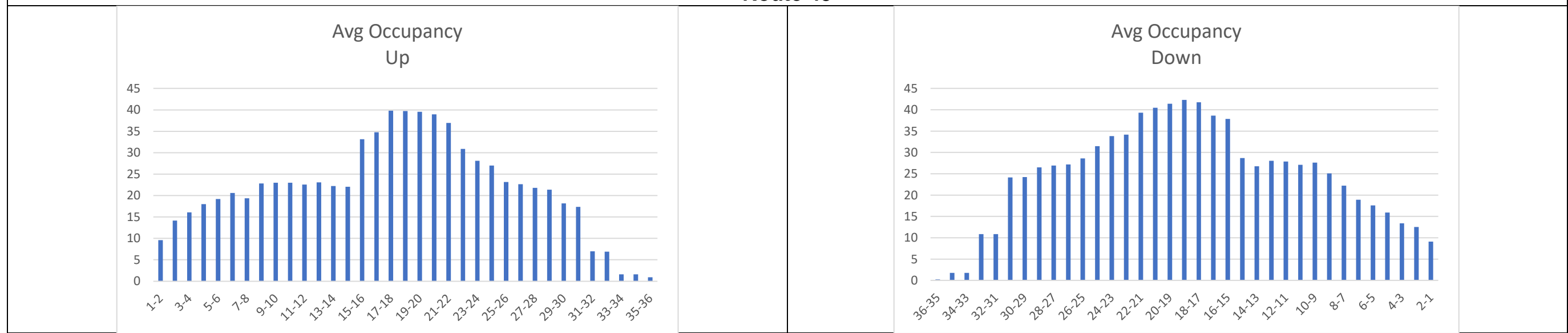
Route 42

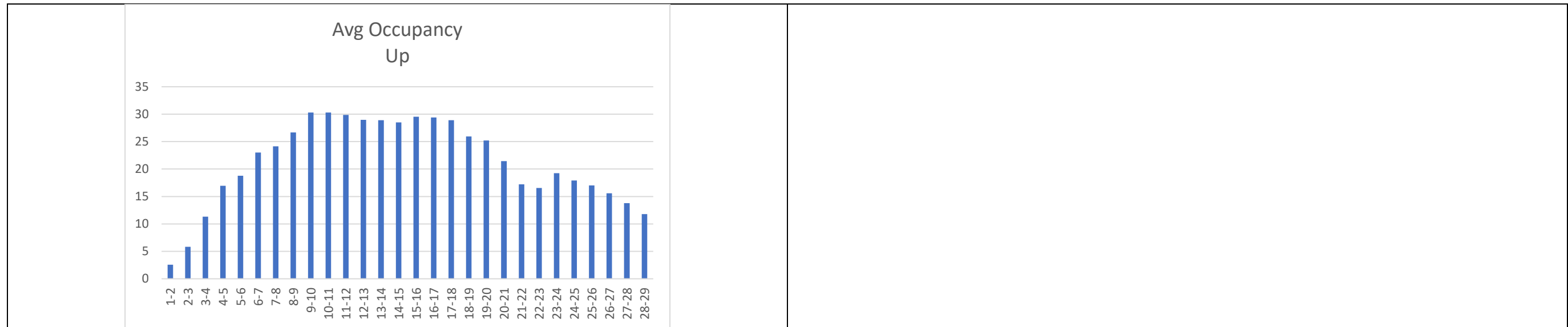


Route 43

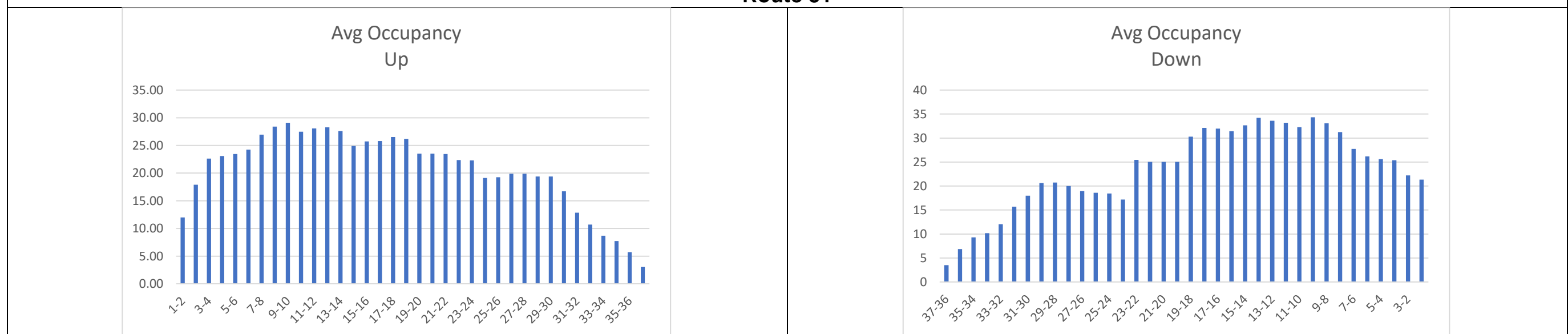


Route 45

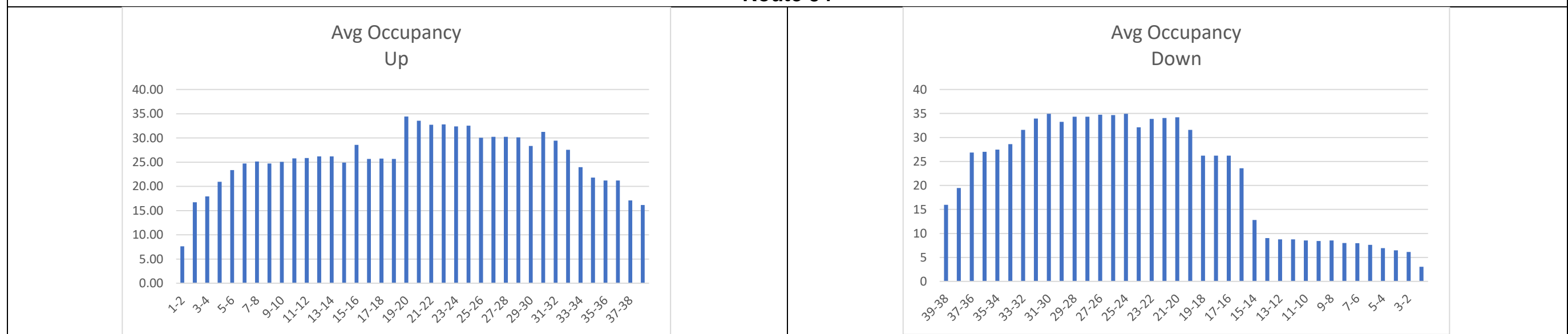




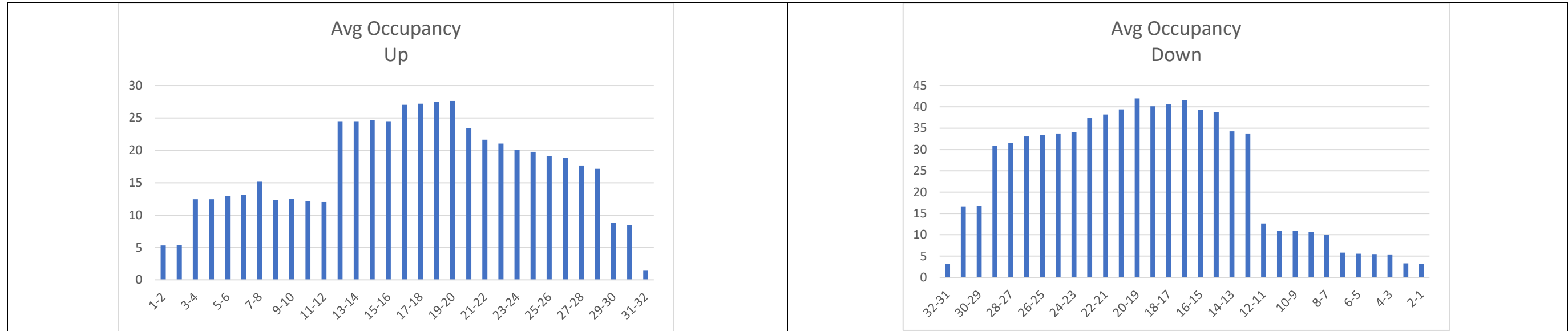
Route 51



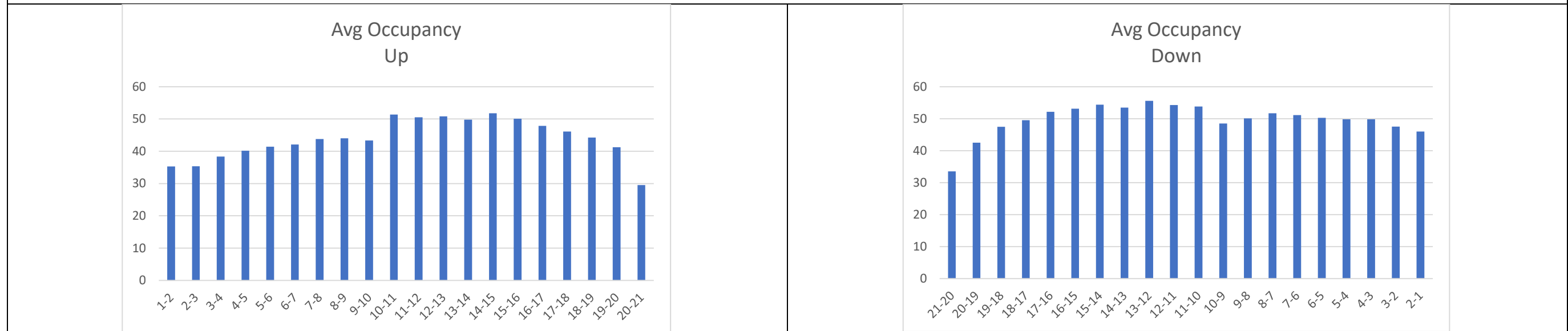
Route 54



Route 55



Route 57



8.6 Peak hour mode wise trips and PCU for all junctions on BRTS corridor

| Ambedkar Nagar Chowk | | | | | | Ayodhya Chowk | | | | | | Big Bazar Chowk | | | | | |
|----------------------|-----------------|------------------|--------------|---------------|----------------|---------------|-----------------|------------------|--------------|---------------|----------------|-----------------|-----------------|------------------|--------------|---------------|----------------|
| Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share | Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share | Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share |
| Cycle | 165 | 1% | Cycle | 80 | 1% | Cycle | 49 | 1% | Cycle | 24 | 1% | Cycle | 239 | 2% | Cycle | 116 | 1% |
| 2 wheeler | 6277 | 55% | 2 wheeler | 3678 | 50% | 2 wheeler | 2724 | 43% | 2 wheeler | 1596 | 40% | 2 wheeler | 6943 | 56% | 2 wheeler | 4068 | 47% |
| 4 wheeler | 2415 | 21% | 4 wheeler | 1568 | 21% | 4 wheeler | 1392 | 22% | 4 wheeler | 904 | 23% | 4 wheeler | 2686 | 22% | 4 wheeler | 1744 | 20% |
| Auto | 820 | 7% | Auto | 1344 | 18% | Auto | 420 | 7% | Auto | 688 | 17% | Auto | 1103 | 9% | Auto | 1808 | 21% |
| Bus | 616 | 5% | Bus | 62 | 1% | Bus | 880 | 14% | Bus | 88 | 2% | Bus | 528 | 4% | Bus | 53 | 1% |
| BRTS Bus | 766 | 7% | BRTS Bus | 44 | 1% | BRTS Bus | 612 | 10% | BRTS Bus | 35 | 1% | BRTS Bus | 612 | 5% | BRTS Bus | 35 | 0% |
| Pedestrians | 432 | 4% | LMV | 403 | 5% | Pedestrians | 320 | 5% | LMV | 288 | 7% | Pedestrians | 344 | 3% | LMV | 336 | 4% |
| Total | 11490 | 100% | Trucks | 240 | 3% | Total | 6398 | 100% | Trucks | 360 | 9% | Total | 12455 | 100% | Trucks | 456 | 5% |
| | | | Total | 7419 | 100% | | | | Total | 3983 | 100% | | | | Total | 8616 | 100% |
| Dharam Nagar Chowk | | | | | | Gondal Chowk | | | | | | Govardhan Chowk | | | | | |
| Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share | Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share | Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share |
| Cycle | 280 | 2% | Cycle | 136 | 2% | Cycle | 346 | 2% | Cycle | 168 | 1% | Cycle | 49 | 0% | Cycle | 24 | 0% |
| 2 wheeler | 7148 | 56% | 2 wheeler | 4188 | 51% | 2 wheeler | 7260 | 38% | 2 wheeler | 4254 | 30% | 2 wheeler | 5100 | 48% | 2 wheeler | 2988 | 43% |
| 4 wheeler | 2107 | 17% | 4 wheeler | 1368 | 17% | 4 wheeler | 4337 | 23% | 4 wheeler | 2816 | 20% | 4 wheeler | 2612 | 24% | 4 wheeler | 1696 | 24% |
| Auto | 1200 | 9% | Auto | 1968 | 24% | Auto | 1659 | 9% | Auto | 2720 | 19% | Auto | 761 | 7% | Auto | 1248 | 18% |
| Bus | 528 | 4% | Bus | 53 | 1% | Bus | 4576 | 24% | Bus | 458 | 3% | Bus | 1056 | 10% | Bus | 106 | 2% |
| BRTS Bus | 612 | 5% | BRTS Bus | 35 | 0% | BRTS Bus | 306 | 2% | BRTS Bus | 18 | 0% | BRTS Bus | 919 | 9% | BRTS Bus | 53 | 1% |
| Pedestrians | 800 | 6% | LMV | 344 | 4% | Pedestrians | 744 | 4% | LMV | 2667 | 19% | Pedestrians | 168 | 2% | LMV | 619 | 9% |
| Total | 12675 | 100% | Trucks | 120 | 1% | Total | 19228 | 100% | Trucks | 960 | 7% | Total | 10665 | 100% | Trucks | 192 | 3% |
| | | | Total | 8212 | 100% | | | | Total | 14060 | 100% | | | | Total | 6926 | 100% |
| Indira Circle | | | | | | KKV Chowk | | | | | | Madhapar Chowk | | | | | |
| Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share | Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share | Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share |
| Cycle | 181 | 1% | Cycle | 88 | 1% | Cycle | 132 | 1% | Cycle | 64 | 1% | Cycle | 33 | 0% | Cycle | 16 | 0% |
| 2 wheeler | 11054 | 54% | 2 wheeler | 6477 | 56% | 2 wheeler | 7322 | 56% | 2 wheeler | 4290 | 51% | 2 wheeler | 4710 | 44% | 2 wheeler | 2760 | 35% |
| 4 wheeler | 2144 | 10% | 4 wheeler | 1392 | 12% | 4 wheeler | 2538 | 19% | 4 wheeler | 1648 | 20% | 4 wheeler | 2341 | 22% | 4 wheeler | 1520 | 19% |
| Auto | 1737 | 8% | Auto | 2848 | 25% | Auto | 1113 | 8% | Auto | 1824 | 22% | Auto | 1327 | 13% | Auto | 2176 | 27% |
| Bus | 4048 | 20% | Bus | 405 | 4% | Bus | 176 | 1% | Bus | 18 | 0% | Bus | 1232 | 12% | Bus | 123 | 2% |
| BRTS Bus | 612 | 3% | BRTS Bus | 35 | 0% | BRTS Bus | 459 | 3% | BRTS Bus | 26 | 0% | BRTS Bus | 306 | 3% | BRTS Bus | 18 | 0% |
| Pedestrians | 672 | 3% | LMV | 235 | 2% | Pedestrians | | | LMV | | | Pedestrians | 664 | 6% | LMV | 380 | 5% |
| Total | 20449 | 100% | Trucks | 0 | 0% | | | | | | | Total | 10614 | 100% | Trucks | 984 | 12% |

| Total | | | | | | Total | | | | | | | | | | | |
|----------------------------------|-----------------|------------------|--------------|---------------|----------------|---------------------------|-----------------|------------------|--------------|---------------|----------------|--------------------------|-----------------|------------------|--------------|---------------|----------------|
| | | | 11480 | 100% | | | | | 7977 | 100% | | | | | | | |
| | | | | | | Pedestrians | 1392 | 11% | LMV | 478 | 6% | | | | | | |
| | | | | | | Total | 13131 | 100% | | Trucks | 48 | | | | 1% | | |
| | | | | | | Total | 8396 | 100% | | | | | | | | | |
| Maha Pooja Dham Chowk | | | | | | Mavdi Chowk | | | | | | Nana Mauva Chowk | | | | | |
| Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share | Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share | Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share |
| Cycle | 231 | 1% | Cycle | 112 | 1% | Cycle | 173 | 1% | Cycle | 84 | 1% | Cycle | 140 | 1% | Cycle | 68 | 1% |
| 2 wheeler | 8397 | 51% | 2 wheeler | 4920 | 49% | 2 wheeler | 10772 | 59% | 2 wheeler | 6312 | 53% | 2 wheeler | 7373 | 43% | 2 wheeler | 4320 | 40% |
| 4 wheeler | 3129 | 19% | 4 wheeler | 2032 | 20% | 4 wheeler | 3671 | 20% | 4 wheeler | 2384 | 20% | 4 wheeler | 3203 | 19% | 4 wheeler | 2080 | 19% |
| Auto | 1444 | 9% | Auto | 2368 | 24% | Auto | 1357 | 7% | Auto | 2224 | 19% | Auto | 1893 | 11% | Auto | 3104 | 29% |
| Bus | 1408 | 9% | Bus | 141 | 1% | Bus | 1232 | 7% | Bus | 123 | 1% | Bus | 3080 | 18% | Bus | 308 | 3% |
| BRTS Bus | 919 | 6% | BRTS Bus | 53 | 1% | BRTS Bus | 612 | 3% | BRTS Bus | 35 | 0% | BRTS Bus | 1225 | 7% | BRTS Bus | 70 | 1% |
| Pedestrians | 800 | 5% | LMV | 355 | 4% | Pedestrians | 528 | 3% | LMV | 726 | 6% | Pedestrians | 360 | 2% | LMV | 621 | 6% |
| Total | 16328 | 100% | | Trucks | 72 | 1% | Total | 18346 | 100% | | Trucks | 120 | 1% | Total | 17274 | 100% | |
| | | | | | | Total | 10053 | 100% | | Total | 12009 | 100% | | Total | 10667 | 100% | |
| Nanavati Chowk | | | | | | Punit Nagar Circle | | | | | | Raiya Circle | | | | | |
| Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share | Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share | Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share |
| Cycle | 165 | 1% | Cycle | 80 | 1% | Cycle | 165 | 1% | Cycle | 80 | 1% | Cycle | 107 | 1% | Cycle | 52 | 0% |
| 2 wheeler | 6968 | 51% | 2 wheeler | 4083 | 41% | 2 wheeler | 5888 | 48% | 2 wheeler | 3450 | 38% | 2 wheeler | 9708 | 57% | 2 wheeler | 5688 | 51% |
| 4 wheeler | 2538 | 19% | 4 wheeler | 1648 | 17% | 4 wheeler | 3203 | 26% | 4 wheeler | 2080 | 23% | 4 wheeler | 2230 | 13% | 4 wheeler | 1448 | 13% |
| Auto | 1864 | 14% | Auto | 3056 | 31% | Auto | 1171 | 10% | Auto | 1920 | 21% | Auto | 1796 | 11% | Auto | 2944 | 27% |
| Bus | 1056 | 8% | Bus | 106 | 1% | Bus | 880 | 7% | Bus | 88 | 1% | Bus | 1760 | 10% | Bus | 176 | 2% |
| BRTS Bus | 612 | 4% | BRTS Bus | 35 | 0% | BRTS Bus | 612 | 5% | BRTS Bus | 35 | 0% | BRTS Bus | 919 | 5% | BRTS Bus | 53 | 0% |
| Pedestrians | 440 | 3% | LMV | 696 | 7% | Pedestrians | 224 | 2% | LMV | 878 | 10% | Pedestrians | 384 | 2% | LMV | 626 | 6% |
| Total | 13644 | 100% | | Trucks | 168 | 2% | Total | 12144 | 100% | | Trucks | 456 | 5% | Total | 16903 | 100% | |
| | | | | | | Total | 9872 | 100% | | Total | 8988 | 100% | | Total | 11058 | 100% | |
| Raiya tele. Office Circle | | | | | | Ramdevpir Chowk | | | | | | Shital Park Chowk | | | | | |
| Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share | Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share | Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share |
| Cycle | 173 | 1% | Cycle | 84 | 1% | Cycle | 214 | 2% | Cycle | 104 | 1% | Cycle | 41 | 0% | Cycle | 20 | 0% |
| 2 wheeler | 8243 | 63% | 2 wheeler | 4830 | 56% | 2 wheeler | 5069 | 47% | 2 wheeler | 2970 | 37% | 2 wheeler | 4004 | 42% | 2 wheeler | 2346 | 43% |
| 4 wheeler | 1786 | 14% | 4 wheeler | 1160 | 13% | 4 wheeler | 2119 | 20% | 4 wheeler | 1376 | 17% | 4 wheeler | 1749 | 18% | 4 wheeler | 1136 | 21% |
| Auto | 1337 | 10% | Auto | 2192 | 25% | Auto | 1630 | 15% | Auto | 2672 | 34% | Auto | 761 | 8% | Auto | 1248 | 23% |
| Bus | 880 | 7% | Bus | 88 | 1% | Bus | 704 | 7% | Bus | 70 | 1% | Bus | 1584 | 17% | Bus | 158 | 3% |
| BRTS Bus | 306 | 2% | BRTS Bus | 18 | 0% | BRTS Bus | 612 | 6% | BRTS Bus | 35 | 0% | BRTS Bus | 1225 | 13% | BRTS Bus | 70 | 1% |
| Pedestrians | 296 | 2% | LMV | 229 | 3% | Pedestrians | 360 | 3% | LMV | 291 | 4% | Pedestrians | 152 | 2% | LMV | 237 | 4% |
| Total | 13022 | 100% | | Trucks | 96 | 1% | Total | 9517 | 100% | | Trucks | 192 | 4% | Total | 9517 | 100% | |

| | | | Total | 8696 | 100% | | | | Total | 10708 | 100% | Trucks | 408 | 5% | | | | Total | 5408 | 100% |
|-----------------------|-----------------|------------------|--------------|---------------|----------------|--|--|--|--------------|--------------|-------------|--------|-----|----|--|--|--|--------------|-------------|-------------|
| | | | | | | | | | Total | 7927 | 100% | | | | | | | | | |
| Umiyaji Circle | | | | | | | | | | | | | | | | | | | | |
| Vehicle Type | Mode wise Trips | Trips Mode share | Vehicle Type | Mode wise PCU | PCU Mode share | | | | | | | | | | | | | | | |
| Cycle | 280 | 2% | Cycle | 136 | 2% | | | | | | | | | | | | | | | |
| 2 wheeler | 10332 | 71% | 2 wheeler | 6054 | 67% | | | | | | | | | | | | | | | |
| 4 wheeler | 2267 | 16% | 4 wheeler | 1472 | 16% | | | | | | | | | | | | | | | |
| Auto | 566 | 4% | Auto | 928 | 10% | | | | | | | | | | | | | | | |
| Bus | 352 | 2% | Bus | 35 | 0% | | | | | | | | | | | | | | | |
| BRTS Bus | 306 | 2% | BRTS Bus | 18 | 0% | | | | | | | | | | | | | | | |
| Pedestrians | 448 | 3% | LMV | 270 | 3% | | | | | | | | | | | | | | | |
| Total | 14552 | 100% | Trucks | 144 | 2% | | | | | | | | | | | | | | | |
| | | | Total | 9057 | 100% | | | | | | | | | | | | | | | |

8.7 Zonewise trip demand and ATL for RMTS & BRTS in Base Year 2018

| Zone No. | RMTS | | BRTS | | Zone No. | RMTS | | BRTS | | Zone No. | RMTS | | BRTS | |
|----------|-------------|-----------------------|-------------|-----------------------|----------|-------------|-----------------------|-------------|-----------------------|----------|-------------|-----------------------|-------------|-----------------------|
| | Daily trips | Avg. trip length (km) | Daily trips | Avg. trip length (km) | | Daily trips | Avg. trip length (km) | Daily trips | Avg. trip length (km) | | Daily trips | Avg. trip length (km) | Daily trips | Avg. trip length (km) |
| 1 | 34.00 | 15.90 | 0.00 | 0.00 | 60 | 21.00 | 8.50 | 461.28 | 4.60 | 119 | 93.00 | 4.81 | 848.56 | 4.47 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 61 | 0.00 | 0.00 | 67.83 | 3.65 | 120 | 148.00 | 7.25 | 626.22 | 7.32 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 62 | 0.00 | 0.00 | 0.00 | 0.00 | 121 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 63 | 0.00 | 0.00 | 0.00 | 0.00 | 122 | 40.00 | 11.51 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 64 | 0.00 | 0.00 | 0.00 | 0.00 | 123 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 65 | 159.00 | 2.42 | 192.73 | 4.60 | 124 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 66 | 169.00 | 2.39 | 3351.19 | 3.96 | 125 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 67 | 13.00 | 2.37 | 0.00 | 0.00 | 126 | 107.00 | 12.59 | 311.67 | 13.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 68 | 54.00 | 4.38 | 77.15 | 8.90 | 127 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 69 | 35.00 | 7.32 | 0.00 | 0.00 | 128 | 5.00 | 13.66 | 0.00 | 0.00 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 70 | 103.00 | 9.42 | 0.00 | 0.00 | 129 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 71 | 90.00 | 9.65 | 0.00 | 0.00 | 130 | 0.00 | 0.00 | 107.50 | 10.50 |
| 13 | 13.00 | 11.73 | 0.00 | 0.00 | 72 | 171.00 | 10.22 | 0.00 | 0.00 | 131 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 73 | 0.00 | 0.00 | 0.00 | 0.00 | 132 | 30.00 | 11.02 | 0.00 | 0.00 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 74 | 8.00 | 12.35 | 0.00 | 0.00 | 133 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 75 | 2.00 | 12.14 | 0.00 | 0.00 | 134 | 27.00 | 2.94 | 345.58 | 9.70 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 76 | 1.00 | 4.45 | 0.00 | 0.00 | 135 | 89.00 | 4.79 | 175.02 | 4.40 |
| 18 | 33.00 | 8.51 | 0.00 | 0.00 | 77 | 581.00 | 7.17 | 0.00 | 0.00 | 136 | 201.00 | 6.64 | 2709.98 | 4.03 |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 78 | 407.00 | 5.09 | 715.63 | 21.26 | 137 | 192.00 | 1.67 | 858.67 | 6.70 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 79 | 2.00 | 2.42 | 0.00 | 0.00 | 138 | 116.00 | 6.70 | 543.08 | 4.97 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 80 | 113.00 | 3.09 | 0.00 | 0.00 | 139 | 116.00 | 6.52 | 154.29 | 8.00 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 81 | 271.00 | 5.77 | 2971.95 | 3.91 | 140 | 140.00 | 7.41 | 0.00 | 0.00 |
| 23 | 1.00 | 7.50 | 0.00 | 0.00 | 82 | 167.00 | 9.73 | 397.40 | 3.38 | 141 | 280.00 | 7.64 | 0.00 | 0.00 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 83 | 449.00 | 8.58 | 212.59 | 6.00 | 142 | 16.00 | 5.82 | 0.00 | 0.00 |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 84 | 0.00 | 0.00 | 0.00 | 0.00 | 143 | 163.00 | 7.19 | 1191.65 | 6.97 |
| 26 | 4.00 | 3.27 | 0.00 | 0.00 | 85 | 0.00 | 0.00 | 0.00 | 0.00 | 144 | 0.00 | 0.00 | 2350.59 | 6.52 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 86 | 59.00 | 5.80 | 0.00 | 0.00 | 145 | 0.00 | 0.00 | 362.90 | 7.14 |
| 28 | 14.00 | 7.82 | 0.00 | 0.00 | 87 | 55.00 | 5.98 | 229.82 | 4.50 | 146 | 127.00 | 6.12 | 1398.71 | 5.23 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 88 | 48.00 | 3.52 | 918.85 | 8.80 | 147 | 5.00 | 3.83 | 0.00 | 0.00 |
| 30 | 3.00 | 7.53 | 0.00 | 0.00 | 89 | 177.00 | 4.60 | 805.43 | 4.35 | 148 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 90 | 563.00 | 4.99 | 424.51 | 4.30 | 149 | 90.00 | 12.69 | 2032.17 | 9.95 |
| 32 | 0.00 | 0.00 | 0.00 | 0.00 | 91 | 722.00 | 6.92 | 0.00 | 0.00 | 150 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 106.00 | 7.29 | 1514.12 | 6.87 | 92 | 1570.60 | 8.46 | 0.00 | 0.00 | 151 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | 33.00 | 5.39 | 0.00 | 0.00 | 93 | 4.00 | 12.45 | 0.00 | 0.00 | 152 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 19.00 | 6.39 | 0.00 | 0.00 | 94 | 0.00 | 0.00 | 0.00 | 0.00 | 153 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | 0.00 | 0.00 | 0.00 | 0.00 | 95 | 39.00 | 9.51 | 0.00 | 0.00 | 154 | 20.00 | 12.74 | 0.00 | 0.00 |
| 37 | 0.00 | 0.00 | 160.93 | 6.20 | 96 | 57.00 | 10.77 | 0.00 | 0.00 | 155 | 2.00 | 4.15 | 0.00 | 0.00 |
| 38 | 252.00 | 5.83 | 2445.82 | 5.97 | 97 | 0.00 | 0.00 | 0.00 | 0.00 | 156 | 124.00 | 7.04 | 1245.36 | 6.98 |
| 39 | 18.00 | 11.82 | 0.00 | 0.00 | 98 | 0.00 | 0.00 | 0.00 | 0.00 | 157 | 3.00 | 11.15 | 0.00 | 0.00 |
| 40 | 43.00 | 8.62 | 0.00 | 0.00 | 99 | 5.00 | 6.24 | 0.00 | 0.00 | 158 | 7.00 | 8.46 | 0.00 | 0.00 |
| 41 | 0.00 | 0.00 | 0.00 | 0.00 | 100 | 6.00 | 9.23 | 79.10 | 8.30 | 159 | 32.00 | 11.58 | 0.00 | 0.00 |
| 42 | 0.00 | 0.00 | 0.00 | 0.00 | 101 | 16.00 | 4.64 | 0.00 | 0.00 | 160 | 0.00 | 0.00 | 2032.17 | 6.20 |
| 43 | 64.00 | 9.70 | 0.00 | 0.00 | 102 | 25.00 | 4.98 | 311.67 | 6.20 | 161 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 0.00 | 0.00 | 0.00 | 0.00 | 103 | 88.00 | 5.64 | 0.00 | 0.00 | 162 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 0.00 | 0.00 | 0.00 | 0.00 | 104 | 378.00 | 7.31 | 0.00 | 0.00 | 163 | 24.00 | 14.07 | 0.00 | 0.00 |
| 46 | 0.00 | 0.00 | 0.00 | 0.00 | 105 | 253.00 | 6.75 | 0.00 | 0.00 | 164 | 0.00 | 0.00 | 0.00 | 0.00 |
| 47 | 0.00 | 0.00 | 0.00 | 0.00 | 106 | 3.00 | 4.79 | 0.00 | 0.00 | 165 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 0.00 | 0.00 | 0.00 | 0.00 | 107 | 21.00 | 3.51 | 528.99 | 6.55 | 166 | 33.00 | 7.47 | 0.00 | 0.00 |
| 49 | 0.00 | 0.00 | 0.00 | 0.00 | 108 | 0.00 | 0.00 | 339.71 | 4.43 | 167 | 89.00 | 8.51 | 0.00 | 0.00 |
| 50 | 0.00 | 0.00 | 0.00 | 0.00 | 109 | 969.00 | 5.47 | 3400.86 | 4.73 | 168 | 2.00 | 9.04 | 0.00 | 0.00 |
| 51 | 0.00 | 0.00 | 0.00 | 0.00 | 110 | 287.00 | 7.79 | 929.17 | 5.04 | 169 | 11.00 | 10.71 | 0.00 | 0.00 |
| 52 | 0.00 | 0.00 | 0.00 | 0.00 | 111 | 546.00 | 6.83 | 231.44 | 3.93 | 170 | 79.00 | 11.85 | 0.00 | 0.00 |
| 53 | 8.00 | 3.43 | 0.00 | 0.00 | 112 | 439.00 | 8.53 | 652.17 | 6.22 | 171 | 10.00 | 12.54 | 0.00 | 0.00 |
| 54 | 0.00 | 0.00 | 0.00 | 0.00 | 113 | 3.00 | 3.32 | 0.00 | 0.00 | 172 | 6.00 | 12.68 | 0.00 | 0.00 |
| 55 | 15.00 | 1.67 | 0.00 | 0.00 | 114 | 0.00 | 0.00 | 0.00 | 0.00 | 173 | 28.00 | 14.55 | 0.00 | 0.00 |
| 56 | 22.00 | 6.62 | 0.00 | 0.00 | 115 | 241.00 | 7.78 | 528.78 | 3.59 | 174 | 12.00 | 15.95 | 0.00 | 0.00 |
| 57 | 88.00 | 5.10 | 92.80 | 8.90 | 116 | 21.00 | 5.56 | 2386.59 | 5.36 | 175 | 19.00 | 15.46 | 0.00 | 0.00 |
| 58 | 136.00 | 3.24 | 0.00 | 0.00 | 117 | 0.00 | 0.00 | 562.50 | 4.95 | 176 | 66.00 | 15.50 | 0.00 | 0.00 |
| 59 | 148.00 | 2.37 | 346.53 | 3.83 | 118 | 48.00 | 1.67 | 987.77 | 3.83 | 177 | 0.00 | 0.00 | 0.00 | 0.00 |

| Zone No | Car | | 2W | | 3W | | Shared 3W | | Cyclist | | Pedestrian | |
|---------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length |
| 74 | 6796.05 | 9.40 | 6789.12 | 9.93 | 0.00 | 0.00 | 63.71 | 14.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 521.11 | 8.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 0.00 | 0.00 | 4813.87 | 7.00 | 3140.00 | 9.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 24054.20 | 5.62 | 16802.79 | 14.35 | 0.00 | 0.00 | 16567.00 | 7.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 4077.36 | 5.11 | 14562.22 | 7.61 | 19873.68 | 8.07 | 837.99 | 8.50 | 104.43 | 5.40 | 0.00 | 0.00 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 4782.99 | 2.57 | 10217.76 | 17.14 | 0.00 | 0.00 | 8619.45 | 6.94 | 71.47 | 4.04 | 0.00 | 0.00 |
| 81 | 5716.44 | 4.21 | 41169.92 | 4.45 | 14306.38 | 2.20 | 23642.26 | 17.50 | 4899.02 | 3.61 | 159.81 | 1.80 |
| 82 | 1342.11 | 13.05 | 45453.90 | 10.25 | 0.00 | 0.00 | 244.24 | 4.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 545.09 | 6.10 | 3419.20 | 5.77 | 2078.49 | 5.40 | 1229.06 | 9.30 | 62.77 | 3.15 | 0.00 | 0.00 |
| 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.77 | 3.50 | 0.00 | 0.00 |
| 85 | 3164.87 | 8.62 | 1332.18 | 5.50 | 0.00 | 0.00 | 432.69 | 9.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 0.00 | 0.00 | 3342.32 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 3952.36 | 5.02 | 37511.03 | 5.78 | 2637.60 | 4.10 | 309.24 | 4.40 | 65.09 | 2.45 | 0.00 | 0.00 |
| 88 | 9878.54 | 8.28 | 40389.25 | 6.38 | 3217.87 | 1.00 | 1608.94 | 5.20 | 12.15 | 2.72 | 287.66 | 1.10 |
| 89 | 10598.79 | 1.86 | 40924.91 | 2.41 | 0.00 | 0.00 | 2016.98 | 6.35 | 0.00 | 0.00 | 8330.51 | 6.01 |
| 90 | 2443.39 | 5.77 | 22716.07 | 9.19 | 1506.42 | 6.85 | 2146.67 | 4.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 2314.41 | 12.21 | 28997.25 | 5.67 | 1502.27 | 5.10 | 7941.51 | 7.30 | 135.28 | 5.00 | 0.00 | 0.00 |
| 92 | 2266.67 | 6.50 | 28771.48 | 7.26 | 0.00 | 0.00 | 1221.63 | 26.70 | 40.12 | 6.80 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 2191.11 | 8.10 | 764.51 | 10.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 0.00 | 0.00 | 2225.52 | 12.77 | 0.00 | 0.00 | 0.00 | 0.00 | 4.15 | 11.30 | 0.00 | 0.00 |
| 101 | 0.00 | 0.00 | 429.22 | 13.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 3326.22 | 7.70 | 3588.46 | 11.95 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 15.80 | 1591.58 | 5.60 |
| 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 13047.03 | 1.89 | 7166.48 | 9.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 2946.67 | 6.41 | 7111.80 | 8.04 | 0.00 | 0.00 | 2443.25 | 11.05 | 102.00 | 3.60 | 0.00 | 0.00 |
| 106 | 0.00 | 0.00 | 645.51 | 6.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 1077.78 | 5.51 | 3146.87 | 3.94 | 76.05 | 7.80 | 687.31 | 10.78 | 27.25 | 17.55 | 0.00 | 0.00 |
| 108 | 1420.87 | 5.88 | 4104.97 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 31200.19 | 8.88 | 74919.73 | 4.21 | 9597.24 | 6.11 | 14555.13 | 17.90 | 57.98 | 1.88 | 3160.85 | 0.68 |
| 110 | 2244.30 | 12.91 | 17695.70 | 5.69 | 113.20 | 4.10 | 613.49 | 7.20 | 19.38 | 4.47 | 0.00 | 0.00 |

| Zone No | Car | | 2W | | 3W | | Shared 3W | | Cyclist | | Pedestrian | |
|---------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length |
| 148 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 245.15 | 3.60 | 2889.63 | 15.36 | 0.00 | 0.00 | 303.27 | 17.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 0.00 | 0.00 | 1525.91 | 6.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 0.00 | 0.00 | 3072.90 | 2.80 | 0.00 | 0.00 | 484.98 | 6.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 137.42 | 26.70 | 7926.88 | 8.75 | 2402.17 | 6.24 | 3.00 | 6.15 | 10.10 | 4.87 | 0.00 | 0.00 |
| 157 | 964.54 | 1.40 | 1489.03 | 2.50 | 0.00 | 0.00 | 8792.00 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 0.00 | 0.00 | 264.98 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 176.09 | 17.00 | 2459.53 | 10.37 | 0.00 | 0.00 | 865.38 | 5.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 227.91 | 8.00 | 11616.77 | 12.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 2191.11 | 3.50 | 1010.47 | 6.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 369.85 | 5.30 |
| 167 | 49.09 | 6.20 | 468.54 | 12.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 970.20 | 25.53 | 4118.34 | 19.83 | 0.00 | 0.00 | 252.58 | 11.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 0.00 | 0.00 | 525.15 | 8.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 0.00 | 0.00 | 5861.59 | 22.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 0.00 | 0.00 | 576.45 | 11.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1182.93 | 12.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 0.00 | 0.00 | 11.82 | 15.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 2547.99 | 15.64 | 1381.13 | 17.50 | 263.98 | 27.00 | 9254.27 | 15.92 | 0.00 | 0.00 | 604.25 | 17.57 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 65 | 0.18 | 1.19 | 5.18 | 0.00 | 0.02 | 0.00 | 0.00 | 7 | 100 | 0.00 | 4.49 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 4 |
| 66 | 1.23 | 5.94 | 24.01 | 2.12 | 0.02 | 0.00 | 0.00 | 33 | 101 | 0.00 | 0.87 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 1 |
| 67 | 0.24 | 1.72 | 0.04 | 0.91 | 0.00 | 0.00 | 0.00 | 3 | 102 | 1.12 | 7.23 | 0.00 | 0.00 | 0.01 | 0.00 | 0.03 | 8 |
| 68 | 0.00 | 9.59 | 0.00 | 0.14 | 0.02 | 0.00 | 0.00 | 10 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0 |
| 69 | 0.00 | 4.87 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 5 | 104 | 4.38 | 4.82 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 9 |
| 70 | 0.93 | 1.23 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 2 | 105 | 0.99 | 2.39 | 0.00 | 7.39 | 0.09 | 0.00 | 0.00 | 11 |
| 71 | 0.00 | 2.72 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 3 | 106 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 72 | 0.00 | 5.46 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 6 | 107 | 0.36 | 1.06 | 0.03 | 0.46 | 0.01 | 0.01 | 0.00 | 2 |
| 73 | 0.00 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4 | 108 | 0.48 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2 |
| 74 | 4.57 | 6.84 | 0.00 | 0.13 | 0.02 | 0.00 | 0.00 | 12 | 109 | 20.97 | 25.17 | 3.22 | 63.58 | 0.33 | 0.00 | 0.05 | 113 |
| 75 | 0.00 | 0.00 | 0.00 | 0.35 | 0.01 | 0.00 | 0.00 | 0 | 110 | 4.52 | 5.95 | 0.04 | 1.24 | 0.10 | 0.00 | 0.00 | 12 |
| 76 | 0.00 | 1.62 | 3.17 | 0.00 | 0.00 | 0.00 | 0.00 | 5 | 111 | 1.97 | 3.69 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 6 |
| 77 | 8.08 | 50.81 | 0.00 | 5.57 | 0.20 | 0.00 | 0.00 | 65 | 112 | 0.44 | 3.65 | 0.00 | 3.73 | 0.15 | 0.00 | 0.00 | 8 |
| 78 | 1.37 | 4.89 | 6.68 | 0.28 | 0.14 | 0.00 | 0.00 | 13 | 113 | 0.42 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 114 | 0.00 | 0.27 | 0.00 | 2.03 | 0.00 | 0.00 | 0.00 | 2 |
| 80 | 1.61 | 44.63 | 0.00 | 2.90 | 0.11 | 0.00 | 0.00 | 49 | 115 | 0.00 | 6.19 | 0.04 | 0.82 | 0.08 | 0.00 | 0.00 | 7 |
| 81 | 1.92 | 13.83 | 4.81 | 127.10 | 0.09 | 0.08 | 0.00 | 148 | 116 | 3.15 | 5.34 | 0.00 | 1.27 | 0.01 | 0.08 | 0.03 | 10 |
| 82 | 1.80 | 45.82 | 0.00 | 0.08 | 0.17 | 0.00 | 0.00 | 48 | 117 | 0.00 | 3.79 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 4 |
| 83 | 0.18 | 1.15 | 0.70 | 0.83 | 0.15 | 0.00 | 0.00 | 3 | 118 | 4.28 | 7.11 | 1.18 | 1.87 | 0.00 | 0.00 | 0.03 | 14 |
| 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 119 | 2.98 | 6.93 | 0.00 | 0.21 | 0.03 | 0.00 | 0.01 | 10 |
| 85 | 1.06 | 0.45 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 2 | 120 | 1.91 | 30.96 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 33 |
| 86 | 0.00 | 1.12 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 1 | 121 | 0.04 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 87 | 1.33 | 12.60 | 0.89 | 1.04 | 0.02 | 0.00 | 0.00 | 16 | 122 | 0.88 | 0.00 | 0.00 | 5.95 | 0.12 | 0.00 | 0.00 | 7 |
| 88 | 3.32 | 13.57 | 1.08 | 0.54 | 0.02 | 0.00 | 0.00 | 19 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 89 | 3.56 | 13.75 | 0.00 | 0.68 | 0.06 | 0.00 | 0.13 | 18 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 90 | 0.82 | 15.27 | 0.51 | 0.72 | 0.19 | 0.00 | 0.00 | 18 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 91 | 3.11 | 9.74 | 0.50 | 2.67 | 0.24 | 0.00 | 0.00 | 16 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0 |
| 92 | 0.76 | 9.67 | 0.00 | 11.08 | 0.53 | 0.00 | 0.00 | 22 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0 | 128 | 0.00 | 0.06 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 132 | 0.24 | 0.30 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 1 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 133 | 0.00 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 |
| 99 | 0.74 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2 | 134 | 13.42 | 1.88 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 15 |

8.9.2 To Feeder Bicycle Sharing

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 4.07 | 0.55 | 0.00 | 0.00 | 4.62 | 34 | 0.03 | 0.71 | 0.00 | 9.99 | 0.11 | 0.00 | 0.00 | 10.85 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.06 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36 | 0.02 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38 | 2.91 | 2.91 | 0.03 | 3.21 | 0.85 | 0.00 | 0.00 | 9.89 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.33 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40 | 0.00 | 0.17 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.26 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42 | 0.00 | 0.00 | 2.45 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43 | 0.04 | 8.35 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 8.53 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.24 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47 | 1.22 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.07 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 52 | 2.52 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.91 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.04 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54 | 0.10 | 4.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.30 |
| 23 | 0.18 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 56 | 2.41 | 0.74 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 3.23 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57 | 0.66 | 0.66 | 0.21 | 0.96 | 0.30 | 0.00 | 0.00 | 2.79 |
| 25 | 0.01 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 58 | 0.06 | 1.36 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 1.55 |
| 26 | 0.01 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 59 | 4.94 | 4.94 | 0.72 | 1.79 | 0.01 | 0.00 | 0.00 | 12.40 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60 | 1.49 | 1.49 | 0.00 | 0.00 | 0.04 | 0.00 | 0.02 | 3.04 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.05 | 61 | 4.75 | 2.37 | 0.01 | 1.93 | 0.00 | 0.00 | 0.00 | 9.06 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 0.01 | 0.21 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.23 | 63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 0.02 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 65 | 0.60 | 1.19 | 5.18 | 0.00 | 0.02 | 0.00 | 0.00 | 6.99 |
| 33 | 5.76 | 1.92 | 3.17 | 2.53 | 0.36 | 0.00 | 0.00 | 13.73 | 66 | 11.87 | 5.94 | 24.01 | 6.37 | 0.02 | 0.00 | 0.00 | 48.21 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 67 | 1.72 | 1.72 | 0.04 | 0.91 | 0.00 | 0.00 | 0.00 | 4.40 | 102 | 1.21 | 7.23 | 0.00 | 0.00 | 0.08 | 0.00 | 0.03 | 8.55 |
| 68 | 4.80 | 9.59 | 0.00 | 0.14 | 0.27 | 0.00 | 0.00 | 14.80 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.18 |
| 69 | 0.23 | 4.87 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 5.22 | 104 | 2.41 | 4.82 | 0.00 | 0.00 | 0.76 | 0.00 | 0.00 | 7.99 |
| 70 | 0.62 | 1.23 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 2.06 | 105 | 2.39 | 2.39 | 0.00 | 44.33 | 0.85 | 0.00 | 0.00 | 49.96 |
| 71 | 0.03 | 2.72 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 2.93 | 106 | 0.01 | 0.22 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.24 |
| 72 | 0.13 | 5.46 | 0.00 | 0.00 | 0.52 | 0.00 | 0.00 | 6.10 | 107 | 1.06 | 1.06 | 0.03 | 0.46 | 0.11 | 0.04 | 0.00 | 2.75 |
| 73 | 0.06 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.06 | 108 | 1.38 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 |
| 74 | 4.56 | 6.84 | 0.00 | 0.13 | 0.15 | 0.00 | 0.00 | 11.68 | 109 | 50.35 | 25.17 | 3.22 | 63.58 | 3.26 | 0.00 | 0.05 | 145.63 |
| 75 | 0.00 | 0.00 | 0.00 | 0.35 | 0.04 | 0.00 | 0.00 | 0.39 | 110 | 35.67 | 5.95 | 0.04 | 1.24 | 0.96 | 0.00 | 0.00 | 43.86 |
| 76 | 0.08 | 1.62 | 3.17 | 0.00 | 0.01 | 0.00 | 0.00 | 4.86 | 111 | 3.69 | 3.69 | 0.00 | 0.00 | 1.83 | 0.00 | 0.00 | 9.22 |
| 77 | 5.65 | 50.81 | 0.00 | 5.57 | 1.17 | 0.00 | 0.00 | 63.20 | 112 | 7.31 | 3.65 | 0.00 | 3.73 | 0.89 | 0.00 | 0.00 | 15.57 |
| 78 | 4.89 | 4.89 | 6.68 | 0.28 | 0.82 | 0.00 | 0.00 | 17.57 | 113 | 2.67 | 2.67 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 5.36 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 114 | 0.01 | 0.27 | 0.00 | 2.03 | 0.00 | 0.00 | 0.00 | 2.32 |
| 80 | 3.43 | 44.63 | 0.00 | 2.90 | 0.11 | 0.00 | 0.00 | 51.07 | 115 | 0.29 | 6.19 | 0.04 | 4.93 | 0.81 | 0.00 | 0.00 | 12.25 |
| 81 | 13.83 | 13.83 | 4.81 | 127.10 | 0.55 | 0.08 | 0.00 | 160.20 | 116 | 5.34 | 5.34 | 0.00 | 1.27 | 0.07 | 0.08 | 0.03 | 12.13 |
| 82 | 61.09 | 45.82 | 0.00 | 0.08 | 1.01 | 0.00 | 0.00 | 108.00 | 117 | 0.18 | 3.79 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 4.48 |
| 83 | 1.15 | 1.15 | 0.70 | 0.83 | 0.91 | 0.00 | 0.00 | 4.73 | 118 | 7.11 | 7.11 | 1.18 | 5.60 | 0.00 | 0.00 | 0.03 | 21.02 |
| 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 119 | 6.93 | 6.93 | 0.00 | 0.21 | 0.19 | 0.00 | 0.01 | 14.27 |
| 85 | 0.45 | 0.45 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 1.77 | 120 | 5.16 | 30.96 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 36.42 |
| 86 | 0.05 | 1.12 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 1.37 | 121 | 0.39 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.77 |
| 87 | 12.60 | 12.60 | 0.89 | 0.31 | 0.18 | 0.00 | 0.00 | 26.59 | 122 | 0.00 | 0.00 | 0.00 | 5.95 | 0.73 | 0.00 | 0.00 | 6.67 |
| 88 | 13.57 | 13.57 | 1.08 | 0.54 | 0.24 | 0.00 | 0.00 | 29.01 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 13.75 | 13.75 | 0.00 | 0.68 | 0.89 | 0.00 | 0.13 | 29.20 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 7.63 | 15.27 | 0.51 | 0.72 | 1.14 | 0.00 | 0.00 | 25.26 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 38.97 | 9.74 | 0.50 | 2.67 | 1.46 | 0.00 | 0.00 | 53.35 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 0.00 | 0.00 | 1.94 |
| 92 | 9.67 | 9.67 | 0.00 | 11.08 | 3.17 | 0.00 | 0.00 | 33.58 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.07 | 128 | 0.00 | 0.06 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.15 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.24 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 0.34 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132 | 0.30 | 0.30 | 0.00 | 0.00 | 0.54 | 0.00 | 0.00 | 1.15 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 133 | 0.03 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.75 |
| 99 | 0.26 | 0.77 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 1.04 | 134 | 24.42 | 1.88 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 26.44 |
| 100 | 0.04 | 4.49 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 4.56 | 135 | 0.09 | 1.96 | 0.18 | 0.00 | 0.30 | 0.00 | 0.00 | 2.54 |
| 101 | 0.01 | 0.87 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.93 | 136 | 12.05 | 12.05 | 1.42 | 0.81 | 0.41 | 0.00 | 0.00 | 26.73 |

8.9.3 To RMTS Bus

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 1.16 | 0.02 | 0.00 | 0.00 | 1.18 | 34 | 0.03 | 0.51 | 0.00 | 1.19 | 0.00 | 0.00 | 0.00 | 1.73 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36 | 0.02 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38 | 2.91 | 2.08 | 0.03 | 0.76 | 0.01 | 0.00 | 0.00 | 5.78 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42 | 0.00 | 0.00 | 2.45 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43 | 0.04 | 8.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.40 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47 | 1.22 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 52 | 2.52 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.91 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54 | 0.10 | 4.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.03 |
| 23 | 0.18 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 56 | 2.41 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57 | 0.66 | 0.47 | 0.21 | 0.27 | 0.00 | 0.00 | 0.00 | 1.62 |
| 25 | 0.01 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 58 | 0.06 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 |
| 26 | 0.01 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 59 | 4.94 | 3.53 | 0.72 | 1.79 | 0.03 | 0.00 | 0.00 | 11.01 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60 | 1.49 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 2.57 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 61 | 4.75 | 1.70 | 0.01 | 1.93 | 0.00 | 0.00 | 0.00 | 8.38 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 0.01 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 0.02 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 65 | 0.60 | 0.85 | 5.18 | 0.00 | 0.03 | 0.00 | 0.00 | 6.67 |
| 33 | 5.76 | 1.37 | 3.17 | 1.81 | 0.00 | 0.00 | 0.00 | 12.11 | 66 | 11.87 | 4.24 | 24.01 | 1.01 | 0.03 | 0.00 | 0.00 | 41.17 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 67 | 1.72 | 0.82 | 0.04 | 0.91 | 0.00 | 0.00 | 0.00 | 3.50 | 102 | 1.21 | 7.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 8.47 |
| 68 | 4.80 | 6.85 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 11.71 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 0.23 | 4.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.10 | 104 | 2.41 | 4.82 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 7.24 |
| 70 | 0.62 | 1.23 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 1.86 | 105 | 2.39 | 1.71 | 0.00 | 5.28 | 0.01 | 0.00 | 0.00 | 9.38 |
| 71 | 0.03 | 2.72 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 2.76 | 106 | 0.01 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 |
| 72 | 0.13 | 5.46 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 5.60 | 107 | 1.06 | 0.50 | 0.03 | 0.33 | 0.00 | 0.01 | 0.00 | 1.92 |
| 73 | 0.06 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.06 | 108 | 1.38 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.77 |
| 74 | 4.56 | 6.84 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 11.47 | 109 | 50.35 | 11.99 | 3.22 | 18.16 | 0.03 | 0.00 | 0.05 | 83.81 |
| 75 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.17 | 110 | 35.67 | 4.25 | 0.04 | 0.10 | 0.01 | 0.00 | 0.00 | 40.07 |
| 76 | 0.08 | 1.16 | 3.17 | 0.00 | 0.00 | 0.00 | 0.00 | 4.40 | 111 | 3.69 | 2.64 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 6.34 |
| 77 | 5.65 | 50.81 | 0.00 | 3.98 | 0.02 | 0.00 | 0.00 | 60.45 | 112 | 7.31 | 2.61 | 0.00 | 3.73 | 0.01 | 0.00 | 0.00 | 13.66 |
| 78 | 4.89 | 3.49 | 6.68 | 0.13 | 0.01 | 0.00 | 0.00 | 15.21 | 113 | 2.67 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.58 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 114 | 0.01 | 0.20 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 1.18 |
| 80 | 3.43 | 44.63 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 50.14 | 115 | 0.29 | 4.42 | 0.04 | 0.82 | 0.01 | 0.00 | 0.00 | 5.58 |
| 81 | 13.83 | 6.59 | 4.81 | 60.52 | 0.01 | 0.08 | 0.00 | 85.84 | 116 | 5.34 | 3.81 | 0.00 | 0.91 | 0.00 | 0.08 | 0.03 | 10.17 |
| 82 | 61.09 | 45.82 | 0.00 | 0.06 | 0.02 | 0.00 | 0.00 | 106.98 | 117 | 0.18 | 1.08 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 1.78 |
| 83 | 1.15 | 0.82 | 0.70 | 0.39 | 0.01 | 0.00 | 0.00 | 3.08 | 118 | 7.11 | 5.08 | 1.18 | 0.89 | 0.01 | 0.00 | 0.03 | 14.29 |
| 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 119 | 6.93 | 3.30 | 0.00 | 0.10 | 0.00 | 0.00 | 0.01 | 10.34 |
| 85 | 0.45 | 0.32 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.85 | 120 | 5.16 | 30.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.13 |
| 86 | 0.05 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 121 | 0.39 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 |
| 87 | 12.60 | 9.00 | 0.89 | 0.07 | 0.00 | 0.00 | 0.00 | 22.57 | 122 | 0.00 | 0.00 | 0.00 | 2.83 | 0.01 | 0.00 | 0.00 | 2.84 |
| 88 | 13.57 | 9.69 | 1.08 | 0.39 | 0.00 | 0.00 | 0.00 | 24.74 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 9.82 | 3.93 | 0.00 | 0.48 | 0.01 | 0.00 | 0.13 | 14.37 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 7.63 | 15.27 | 0.51 | 0.52 | 0.02 | 0.00 | 0.00 | 23.94 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 38.97 | 6.96 | 0.50 | 1.91 | 0.02 | 0.00 | 0.00 | 48.37 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.03 |
| 92 | 9.67 | 6.91 | 0.00 | 31.66 | 0.05 | 0.00 | 0.00 | 48.29 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 128 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132 | 0.30 | 0.30 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.61 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 133 | 0.03 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.75 |
| 99 | 0.26 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 134 | 24.42 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.77 |
| 100 | 0.04 | 4.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.52 | 135 | 0.09 | 0.93 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 |
| 101 | 0.01 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.87 | 136 | 12.05 | 5.74 | 1.42 | 0.58 | 0.01 | 0.00 | 0.00 | 19.79 |

8.9.4 To RMTS - Hybrid BRT

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 5.81 | 0.02 | 0.00 | 0.00 | 5.83 | 34 | 0.03 | 0.71 | 0.00 | 1.19 | 0.00 | 0.00 | 0.00 | 1.94 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36 | 0.02 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38 | 2.91 | 2.91 | 0.03 | 1.07 | 0.01 | 0.00 | 0.00 | 6.92 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42 | 0.00 | 0.00 | 2.45 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43 | 0.04 | 8.35 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 8.41 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47 | 1.22 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 52 | 2.52 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.91 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54 | 0.10 | 4.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.03 |
| 23 | 0.18 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 56 | 2.41 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57 | 0.66 | 0.66 | 0.21 | 2.06 | 0.00 | 0.00 | 0.00 | 3.60 |
| 25 | 0.01 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 58 | 0.06 | 1.36 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 1.44 |
| 26 | 0.01 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 59 | 4.94 | 4.94 | 0.72 | 1.79 | 0.03 | 0.00 | 0.00 | 12.42 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60 | 1.49 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 3.01 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 61 | 4.75 | 2.37 | 0.01 | 1.93 | 0.00 | 0.00 | 0.00 | 9.06 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 0.01 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 0.02 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 65 | 0.60 | 1.19 | 5.18 | 0.00 | 0.03 | 0.00 | 0.00 | 7.01 |
| 33 | 5.76 | 1.92 | 3.17 | 2.53 | 0.00 | 0.00 | 0.00 | 13.38 | 66 | 11.87 | 5.94 | 24.01 | 2.12 | 0.03 | 0.00 | 0.00 | 43.98 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 67 | 1.72 | 1.72 | 0.04 | 0.91 | 0.00 | 0.00 | 0.00 | 4.40 | 102 | 1.21 | 7.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 8.49 |
| 68 | 4.80 | 9.59 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 14.53 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 |
| 69 | 0.23 | 4.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.10 | 104 | 2.41 | 4.82 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 7.26 |
| 70 | 0.62 | 1.23 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 1.87 | 105 | 2.39 | 2.39 | 0.00 | 5.28 | 0.01 | 0.00 | 0.00 | 10.07 |
| 71 | 0.03 | 2.72 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 2.77 | 106 | 0.01 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 |
| 72 | 0.13 | 5.46 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 5.64 | 107 | 1.06 | 1.06 | 0.03 | 0.46 | 0.00 | 0.04 | 0.00 | 2.64 |
| 73 | 0.06 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.06 | 108 | 1.38 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 |
| 74 | 4.56 | 6.84 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 11.54 | 109 | 50.35 | 25.17 | 3.22 | 136.24 | 0.03 | 0.00 | 0.10 | 215.11 |
| 75 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 | 110 | 35.67 | 5.95 | 0.04 | 0.21 | 0.01 | 0.00 | 0.00 | 41.87 |
| 76 | 0.08 | 1.62 | 3.17 | 0.00 | 0.00 | 0.00 | 0.00 | 4.86 | 111 | 3.69 | 3.69 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 7.40 |
| 77 | 5.65 | 50.81 | 0.00 | 5.57 | 0.06 | 0.00 | 0.00 | 62.08 | 112 | 7.31 | 3.65 | 0.00 | 3.73 | 0.01 | 0.00 | 0.00 | 14.70 |
| 78 | 4.89 | 4.89 | 6.68 | 0.28 | 0.04 | 0.00 | 0.00 | 16.79 | 113 | 2.67 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.35 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 114 | 0.01 | 0.27 | 0.00 | 4.35 | 0.00 | 0.00 | 0.00 | 4.64 |
| 80 | 3.43 | 44.63 | 0.00 | 2.90 | 0.01 | 0.00 | 0.00 | 50.97 | 115 | 0.29 | 6.19 | 0.04 | 0.82 | 0.01 | 0.00 | 0.00 | 7.35 |
| 81 | 13.83 | 13.83 | 4.81 | 272.36 | 0.03 | 0.08 | 0.01 | 304.94 | 116 | 5.34 | 5.34 | 0.00 | 1.27 | 0.00 | 0.08 | 0.05 | 12.08 |
| 82 | 61.09 | 45.82 | 0.00 | 0.08 | 0.02 | 0.00 | 0.00 | 107.01 | 117 | 0.18 | 3.79 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 4.48 |
| 83 | 1.15 | 1.15 | 0.70 | 0.83 | 0.01 | 0.00 | 0.00 | 3.84 | 118 | 7.11 | 7.11 | 1.18 | 1.87 | 0.01 | 0.00 | 0.05 | 17.32 |
| 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 119 | 6.93 | 6.93 | 0.00 | 0.21 | 0.01 | 0.00 | 0.01 | 14.10 |
| 85 | 0.45 | 0.45 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.19 | 120 | 5.16 | 30.96 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 36.14 |
| 86 | 0.05 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.18 | 121 | 0.39 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.77 |
| 87 | 12.60 | 12.60 | 0.89 | 0.10 | 0.00 | 0.00 | 0.00 | 26.20 | 122 | 0.00 | 0.00 | 0.00 | 12.74 | 0.01 | 0.00 | 0.00 | 12.75 |
| 88 | 13.57 | 13.57 | 1.08 | 0.54 | 0.00 | 0.00 | 0.01 | 28.77 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 13.75 | 13.75 | 0.00 | 0.68 | 0.01 | 0.00 | 0.27 | 28.45 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 7.63 | 15.27 | 0.51 | 0.72 | 0.05 | 0.00 | 0.00 | 24.18 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 38.97 | 9.74 | 0.50 | 2.67 | 0.07 | 0.00 | 0.00 | 51.96 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.03 |
| 92 | 9.67 | 9.67 | 0.00 | 31.66 | 0.15 | 0.00 | 0.00 | 51.15 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 128 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132 | 0.30 | 0.30 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.61 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 133 | 0.03 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.75 |
| 99 | 0.26 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 134 | 24.42 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.30 |
| 100 | 0.04 | 4.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.52 | 135 | 0.09 | 1.96 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 2.24 |
| 101 | 0.01 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.87 | 136 | 12.05 | 12.05 | 1.42 | 0.81 | 0.02 | 0.00 | 0.00 | 26.35 |

8.9.5 To Shared 3W

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.19 | 0.02 | 0.00 | 0.00 | 0.21 | 34 | 0.03 | 0.03 | 0.00 | 0.08 | 0.01 | 0.00 | 0.00 | 0.15 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38 | 2.91 | 1.38 | 0.03 | 0.76 | 0.05 | 0.00 | 0.00 | 5.13 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.02 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40 | 0.00 | 0.05 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.06 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42 | 0.00 | 0.00 | 2.45 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43 | 0.04 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47 | 0.87 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 52 | 1.80 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.82 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54 | 0.10 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 23 | 0.13 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 56 | 1.15 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.37 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57 | 0.47 | 0.03 | 0.21 | 0.05 | 0.03 | 0.00 | 0.00 | 0.79 |
| 25 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 58 | 0.06 | 0.39 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.48 |
| 26 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 59 | 4.94 | 0.24 | 0.72 | 0.85 | 0.03 | 0.00 | 0.00 | 6.78 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60 | 1.49 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 2.22 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 61 | 3.39 | 0.11 | 0.01 | 0.92 | 0.00 | 0.00 | 0.00 | 4.43 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 0.01 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 0.02 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 65 | 0.28 | 0.34 | 5.18 | 0.00 | 0.03 | 0.00 | 0.00 | 5.84 |
| 33 | 4.11 | 0.27 | 3.17 | 0.12 | 0.02 | 0.00 | 0.00 | 7.69 | 66 | 8.48 | 0.85 | 24.01 | 0.30 | 0.03 | 0.00 | 0.00 | 33.68 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 67 | 1.72 | 0.49 | 0.04 | 0.26 | 0.00 | 0.00 | 0.00 | 2.52 | 102 | 1.21 | 0.34 | 0.00 | 0.00 | 0.01 | 0.00 | 0.03 | 1.58 |
| 68 | 3.43 | 0.46 | 0.00 | 0.01 | 0.02 | 0.00 | 0.00 | 3.91 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 |
| 69 | 0.23 | 0.23 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.47 | 104 | 1.15 | 0.23 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 1.39 |
| 70 | 0.29 | 0.06 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.36 | 105 | 1.14 | 0.11 | 0.00 | 0.35 | 0.05 | 0.00 | 0.00 | 1.65 |
| 71 | 0.03 | 0.13 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.17 | 106 | 0.01 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 |
| 72 | 0.13 | 0.26 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.41 | 107 | 1.06 | 0.50 | 0.03 | 0.02 | 0.01 | 0.02 | 0.00 | 1.64 |
| 73 | 0.06 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 108 | 0.99 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 |
| 74 | 2.17 | 0.33 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 2.51 | 109 | 35.96 | 7.19 | 3.22 | 3.03 | 0.19 | 0.00 | 0.05 | 49.64 |
| 75 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 110 | 25.48 | 0.28 | 0.04 | 0.10 | 0.06 | 0.00 | 0.00 | 25.96 |
| 76 | 0.08 | 0.08 | 3.17 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 111 | 1.76 | 0.18 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 2.04 |
| 77 | 2.69 | 2.42 | 0.00 | 0.27 | 0.02 | 0.00 | 0.00 | 5.39 | 112 | 5.22 | 0.17 | 0.00 | 1.07 | 0.08 | 0.00 | 0.00 | 6.54 |
| 78 | 3.49 | 0.23 | 6.68 | 0.01 | 0.04 | 0.00 | 0.00 | 10.46 | 113 | 1.91 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 114 | 0.01 | 0.01 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 |
| 80 | 2.45 | 2.13 | 0.00 | 0.14 | 0.02 | 0.00 | 0.00 | 4.74 | 115 | 0.29 | 0.29 | 0.04 | 0.04 | 0.05 | 0.00 | 0.00 | 0.71 |
| 81 | 13.83 | 3.95 | 4.81 | 6.05 | 0.03 | 0.08 | 0.00 | 28.75 | 116 | 3.81 | 1.53 | 0.00 | 0.60 | 0.00 | 0.08 | 0.03 | 6.05 |
| 82 | 61.09 | 2.18 | 0.00 | 0.04 | 0.10 | 0.00 | 0.00 | 63.41 | 117 | 0.18 | 0.18 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.88 |
| 83 | 1.15 | 0.05 | 0.70 | 0.04 | 0.09 | 0.00 | 0.00 | 2.03 | 118 | 5.08 | 2.03 | 1.18 | 0.09 | 0.01 | 0.00 | 0.03 | 8.41 |
| 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 119 | 4.95 | 0.99 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 5.97 |
| 85 | 0.21 | 0.06 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.29 | 120 | 2.46 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.94 |
| 86 | 0.05 | 0.05 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.12 | 121 | 0.28 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 |
| 87 | 9.00 | 0.60 | 0.89 | 0.10 | 0.01 | 0.00 | 0.00 | 10.60 | 122 | 0.00 | 0.00 | 0.00 | 0.28 | 0.07 | 0.00 | 0.00 | 0.35 |
| 88 | 6.46 | 0.65 | 1.08 | 0.03 | 0.02 | 0.00 | 0.00 | 8.24 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 9.82 | 0.65 | 0.00 | 0.03 | 0.06 | 0.00 | 0.13 | 10.70 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 5.45 | 0.73 | 0.51 | 0.52 | 0.05 | 0.00 | 0.00 | 7.25 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 27.84 | 0.46 | 0.50 | 0.13 | 0.02 | 0.00 | 0.00 | 28.96 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 |
| 92 | 4.60 | 0.46 | 0.00 | 0.53 | 0.05 | 0.00 | 0.00 | 5.64 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 128 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.02 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.03 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132 | 0.30 | 0.09 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.44 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 133 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 |
| 99 | 0.12 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 134 | 17.44 | 0.09 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 17.54 |
| 100 | 0.04 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 135 | 0.09 | 0.56 | 0.18 | 0.00 | 0.03 | 0.00 | 0.00 | 0.86 |
| 101 | 0.01 | 0.04 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 136 | 12.05 | 3.44 | 1.42 | 0.23 | 0.01 | 0.00 | 0.00 | 17.15 |

8.9.6 To E-Rickshaw

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.19 | 0.02 | 0.00 | 0.00 | 0.21 | 34 | 0.03 | 0.20 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.32 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38 | 2.91 | 1.38 | 0.03 | 1.07 | 0.01 | 0.00 | 0.00 | 5.39 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42 | 0.00 | 0.00 | 2.45 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43 | 0.04 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47 | 1.22 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.57 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 52 | 1.80 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.91 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54 | 0.10 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 23 | 0.18 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 56 | 1.72 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57 | 0.66 | 0.19 | 0.21 | 0.05 | 0.00 | 0.00 | 0.00 | 1.11 |
| 25 | 0.01 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 58 | 0.06 | 0.65 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.74 |
| 26 | 0.01 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 59 | 4.94 | 1.41 | 0.72 | 1.28 | 0.03 | 0.00 | 0.00 | 8.38 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60 | 1.49 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 2.57 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 61 | 4.75 | 0.68 | 0.01 | 1.38 | 0.00 | 0.00 | 0.00 | 6.81 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 0.01 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 0.02 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 65 | 0.43 | 0.57 | 5.18 | 0.00 | 0.03 | 0.00 | 0.00 | 6.21 |
| 33 | 4.11 | 0.91 | 3.17 | 0.12 | 0.00 | 0.00 | 0.00 | 8.32 | 66 | 11.87 | 2.83 | 24.01 | 0.61 | 0.03 | 0.00 | 0.00 | 39.35 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 67 | 1.72 | 0.82 | 0.04 | 0.43 | 0.00 | 0.00 | 0.00 | 3.02 | 102 | 1.21 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 3.30 |
| 68 | 4.80 | 2.74 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 7.55 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 0.23 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 | 104 | 1.72 | 1.38 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 3.11 |
| 70 | 0.44 | 0.35 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.80 | 105 | 1.71 | 0.68 | 0.00 | 0.35 | 0.01 | 0.00 | 0.00 | 2.75 |
| 71 | 0.03 | 0.78 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.81 | 106 | 0.01 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 |
| 72 | 0.13 | 1.56 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 1.71 | 107 | 1.06 | 0.50 | 0.03 | 0.02 | 0.00 | 0.01 | 0.00 | 1.62 |
| 73 | 0.06 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 108 | 1.38 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.77 |
| 74 | 3.26 | 0.33 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 3.59 | 109 | 35.96 | 11.99 | 3.22 | 3.03 | 0.03 | 0.00 | 0.05 | 54.28 |
| 75 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 110 | 35.67 | 1.70 | 0.04 | 0.44 | 0.01 | 0.00 | 0.00 | 37.86 |
| 76 | 0.08 | 0.46 | 3.17 | 0.00 | 0.00 | 0.00 | 0.00 | 3.70 | 111 | 2.64 | 1.05 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 3.71 |
| 77 | 4.03 | 7.26 | 0.00 | 0.27 | 0.02 | 0.00 | 0.00 | 11.58 | 112 | 7.31 | 0.52 | 0.00 | 1.78 | 0.01 | 0.00 | 0.00 | 9.62 |
| 78 | 4.89 | 1.40 | 6.68 | 0.01 | 0.01 | 0.00 | 0.00 | 13.00 | 113 | 2.67 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.44 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 114 | 0.01 | 0.08 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 |
| 80 | 3.43 | 12.75 | 0.00 | 0.14 | 0.02 | 0.00 | 0.00 | 16.35 | 115 | 0.29 | 1.77 | 0.04 | 0.04 | 0.01 | 0.00 | 0.00 | 2.15 |
| 81 | 13.83 | 6.59 | 4.81 | 6.05 | 0.01 | 0.08 | 0.00 | 31.37 | 116 | 3.81 | 2.54 | 0.00 | 0.60 | 0.00 | 0.08 | 0.03 | 7.07 |
| 82 | 61.09 | 6.55 | 0.00 | 0.06 | 0.02 | 0.00 | 0.00 | 67.71 | 117 | 0.18 | 1.08 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 1.78 |
| 83 | 1.15 | 0.33 | 0.70 | 0.04 | 0.01 | 0.00 | 0.00 | 2.23 | 118 | 7.11 | 3.38 | 1.18 | 0.09 | 0.01 | 0.00 | 0.03 | 11.79 |
| 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 119 | 6.93 | 1.98 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 8.93 |
| 85 | 0.32 | 0.21 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.57 | 120 | 3.69 | 4.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.11 |
| 86 | 0.05 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 121 | 0.39 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 |
| 87 | 12.60 | 3.60 | 0.89 | 0.31 | 0.00 | 0.00 | 0.00 | 17.41 | 122 | 0.00 | 0.00 | 0.00 | 0.28 | 0.01 | 0.00 | 0.00 | 0.29 |
| 88 | 9.69 | 3.88 | 1.08 | 0.15 | 0.01 | 0.00 | 0.00 | 14.82 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 13.75 | 3.93 | 0.00 | 0.19 | 0.01 | 0.00 | 0.13 | 18.01 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 5.45 | 4.36 | 0.51 | 0.52 | 0.02 | 0.00 | 0.00 | 10.85 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 38.97 | 2.78 | 0.50 | 0.13 | 0.02 | 0.00 | 0.00 | 42.41 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.03 |
| 92 | 6.91 | 1.38 | 0.00 | 0.53 | 0.05 | 0.00 | 0.00 | 8.86 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 128 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132 | 0.30 | 0.14 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.45 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 133 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 |
| 99 | 0.18 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 134 | 17.44 | 0.27 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 17.72 |
| 100 | 0.04 | 1.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 135 | 0.09 | 0.93 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 |
| 101 | 0.01 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 136 | 12.05 | 5.74 | 1.42 | 0.39 | 0.01 | 0.00 | 0.00 | 19.60 |

8.10 Zonewise trip demand and avg. trip length in Horizon Year 2023

| Zone No | Car | | 2W | | 3W | | Shared 3W | | RMTS | | BRTS | | Cyclist | | Pedestrian | |
|---------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 756.72 | 19.70 | 34.00 | 15.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 176.09 | 17.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.00 | 11.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.00 | 8.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 110.47 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 279.19 | 12.20 | 132.95 | 12.70 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 7.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 0.00 | 0.00 | 458.51 | 6.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 0.00 | 0.00 | 621.20 | 8.70 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 3.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.00 | 7.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 0.00 | 0.00 | 621.29 | 5.40 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 7.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 0.00 | 0.00 | 999.18 | 3.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 890.03 | 11.61 | 2856.27 | 8.80 | 3140.00 | 9.40 | 837.58 | 13.40 | 106.00 | 7.29 | 1514.12 | 6.84 | 20.00 | 2.50 | 0.00 | 0.00 |
| 34 | 0.00 | 0.00 | 2121.03 | 4.36 | 0.00 | 0.00 | 4956.50 | 5.48 | 33.00 | 5.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.00 | 6.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Zone No | Car | | 2W | | 3W | | Shared 3W | | RMTS | | BRTS | | Cyclist | | Pedestrian | |
|---------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length |
| 36 | 0.00 | 0.00 | 1512.00 | 6.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 160.93 | 6.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 5479.09 | 6.93 | 10899.27 | 7.04 | 95.82 | 7.80 | 4007.64 | 5.15 | 317.52 | 5.83 | 3081.74 | 5.94 | 37.66 | 7.98 | 0.00 | 0.00 |
| 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.00 | 11.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 0.00 | 0.00 | 249.63 | 9.20 | 0.00 | 0.00 | 0.00 | 0.00 | 43.00 | 8.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 0.00 | 0.00 | 0.00 | 0.00 | 1216.13 | 13.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 0.00 | 0.00 | 2762.27 | 12.04 | 0.00 | 0.00 | 0.00 | 0.00 | 64.00 | 9.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 47 | 378.43 | 17.13 | 278.72 | 15.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 3072.59 | 15.50 | 576.45 | 9.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.00 | 3.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 0.00 | 0.00 | 6263.72 | 9.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 148.46 | 7.50 | 15.00 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 56 | 186.78 | 15.80 | 552.51 | 14.35 | 0.00 | 0.00 | 0.00 | 0.00 | 22.00 | 6.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 1847.99 | 7.58 | 1977.02 | 7.43 | 622.62 | 7.90 | 219.71 | 18.43 | 88.00 | 5.10 | 92.80 | 8.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 58 | 0.00 | 0.00 | 4042.04 | 5.33 | 0.00 | 0.00 | 0.00 | 0.00 | 136.00 | 3.24 | 0.00 | 0.00 | 13.07 | 3.87 | 0.00 | 0.00 |
| 59 | 801.40 | 3.99 | 14689.28 | 6.81 | 2156.17 | 6.60 | 5334.47 | 4.19 | 148.00 | 2.37 | 346.53 | 4.28 | 28.26 | 3.74 | 0.00 | 0.00 |
| 60 | 5327.15 | 5.70 | 24997.14 | 7.88 | 0.00 | 0.00 | 0.00 | 0.00 | 118.65 | 8.50 | 2606.23 | 4.77 | 0.00 | 0.00 | 6953.85 | 0.50 |
| 61 | 613.57 | 9.09 | 7064.52 | 5.72 | 20.00 | 5.50 | 5729.31 | 4.53 | 0.00 | 0.00 | 67.83 | 3.65 | 229.80 | 5.07 | 0.00 | 0.00 |
| 62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 543.08 | 5.55 | 1777.77 | 8.82 | 15430.36 | 4.60 | 0.00 | 0.00 | 159.00 | 2.42 | 192.73 | 4.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 2008.26 | 9.68 | 19435.23 | 7.65 | 13102.02 | 11.02 | 6950.53 | 7.04 | 185.90 | 2.39 | 3248.15 | 3.80 | 139.49 | 4.34 | 0.00 | 0.00 |
| 67 | 726.79 | 5.10 | 5119.12 | 4.48 | 128.97 | 4.19 | 2716.88 | 4.60 | 13.00 | 2.37 | 0.00 | 0.00 | 21.34 | 6.30 | 0.00 | 0.00 |
| 68 | 6.10 | 6.90 | 14274.12 | 9.01 | 0.00 | 0.00 | 201.25 | 9.30 | 54.00 | 4.38 | 77.15 | 8.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 0.00 | 0.00 | 14490.62 | 6.49 | 0.00 | 0.00 | 0.00 | 0.00 | 35.00 | 7.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 2757.67 | 8.37 | 1836.28 | 10.26 | 0.00 | 0.00 | 0.00 | 0.00 | 103.00 | 9.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 0.00 | 0.00 | 2023.00 | 11.66 | 0.00 | 0.00 | 0.00 | 0.00 | 90.00 | 9.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Zone No | Car | | 2W | | 3W | | Shared 3W | | RMTS | | BRTS | | Cyclist | | Pedestrian | |
|---------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length |
| 72 | 0.00 | 0.00 | 8118.84 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 171.00 | 10.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 0.00 | 0.00 | 3965.29 | 9.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 6796.05 | 9.40 | 6789.12 | 9.93 | 0.00 | 0.00 | 63.71 | 14.10 | 8.00 | 12.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 521.11 | 8.80 | 2.00 | 12.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 0.00 | 0.00 | 4813.87 | 7.00 | 3140.00 | 9.40 | 0.00 | 0.00 | 1.00 | 4.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 24054.20 | 5.62 | 16802.79 | 14.35 | 0.00 | 0.00 | 16567.00 | 7.78 | 581.00 | 7.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 4077.36 | 5.11 | 14562.22 | 7.61 | 19873.68 | 8.07 | 837.99 | 8.50 | 407.00 | 5.09 | 715.63 | 5.94 | 104.43 | 5.40 | 0.00 | 0.00 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 4782.99 | 2.57 | 10217.76 | 17.14 | 0.00 | 0.00 | 8619.45 | 6.94 | 113.00 | 3.09 | 0.00 | 0.00 | 71.47 | 4.04 | 0.00 | 0.00 |
| 81 | 6288.08 | 4.21 | 45286.91 | 4.45 | 15737.02 | 2.20 | 26006.49 | 17.50 | 298.10 | 5.77 | 3144.25 | 3.88 | 5388.92 | 3.61 | 175.79 | 1.80 |
| 82 | 1342.11 | 13.05 | 45453.90 | 10.25 | 0.00 | 0.00 | 244.24 | 4.85 | 167.00 | 9.73 | 397.40 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 545.09 | 6.10 | 3419.20 | 5.77 | 2078.49 | 5.40 | 1229.06 | 9.30 | 449.00 | 8.58 | 212.59 | 5.60 | 62.77 | 3.15 | 0.00 | 0.00 |
| 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.77 | 3.50 | 0.00 | 0.00 |
| 85 | 3164.87 | 8.62 | 1332.18 | 5.50 | 0.00 | 0.00 | 432.69 | 9.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 0.00 | 0.00 | 3342.32 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 | 59.00 | 5.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 3952.36 | 5.02 | 37511.03 | 5.78 | 2637.60 | 4.10 | 309.24 | 4.40 | 55.00 | 5.98 | 229.82 | 3.87 | 65.09 | 2.45 | 0.00 | 0.00 |
| 88 | 9878.54 | 8.28 | 40389.25 | 6.38 | 3217.87 | 1.00 | 1608.94 | 5.20 | 48.00 | 3.52 | 918.85 | 4.42 | 12.15 | 2.72 | 287.66 | 1.10 |
| 89 | 10598.79 | 1.86 | 40924.91 | 2.41 | 0.00 | 0.00 | 2016.98 | 6.35 | 177.00 | 4.60 | 805.43 | 4.48 | 0.00 | 0.00 | 8330.51 | 6.01 |
| 90 | 2443.39 | 5.77 | 22716.07 | 9.19 | 1506.42 | 6.85 | 2146.67 | 4.60 | 563.00 | 4.99 | 424.51 | 4.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 2314.41 | 12.21 | 28997.25 | 5.67 | 1502.27 | 5.10 | 7941.51 | 7.30 | 722.00 | 6.92 | 0.00 | 0.00 | 135.28 | 5.00 | 0.00 | 0.00 |
| 92 | 2266.67 | 6.50 | 28771.48 | 7.26 | 0.00 | 0.00 | 1221.63 | 26.70 | 1570.60 | 8.46 | 0.00 | 0.00 | 40.12 | 6.80 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 12.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.00 | 9.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57.00 | 10.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 2191.11 | 8.10 | 764.51 | 10.25 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 6.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 0.00 | 0.00 | 2225.52 | 12.77 | 0.00 | 0.00 | 0.00 | 0.00 | 6.00 | 9.23 | 79.10 | 8.30 | 4.15 | 11.30 | 0.00 | 0.00 |
| 101 | 0.00 | 0.00 | 429.22 | 13.50 | 0.00 | 0.00 | 0.00 | 0.00 | 16.00 | 4.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 3326.22 | 7.70 | 3588.46 | 11.95 | 0.00 | 0.00 | 0.00 | 0.00 | 25.00 | 4.98 | 311.67 | 6.20 | 2.14 | 15.80 | 1591.58 | 5.60 |
| 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 88.00 | 5.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 13047.03 | 1.89 | 7166.48 | 9.19 | 0.00 | 0.00 | 0.00 | 0.00 | 378.00 | 7.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 2946.67 | 6.41 | 7111.80 | 8.04 | 0.00 | 0.00 | 2443.25 | 11.05 | 253.00 | 6.75 | 0.00 | 0.00 | 102.00 | 3.60 | 0.00 | 0.00 |
| 106 | 0.00 | 0.00 | 645.51 | 6.28 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 4.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 1077.78 | 5.51 | 3146.87 | 3.94 | 76.05 | 7.80 | 687.31 | 10.78 | 21.00 | 3.51 | 528.99 | 6.48 | 27.25 | 17.55 | 0.00 | 0.00 |

| Zone No | Car | | 2W | | 3W | | Shared 3W | | RMTS | | BRTS | | Cyclist | | Pedestrian | |
|---------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length |
| 108 | 1420.87 | 5.88 | 4104.97 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 339.71 | 4.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 31200.19 | 8.88 | 74919.73 | 4.21 | 9597.24 | 6.11 | 14555.13 | 17.90 | 969.00 | 5.47 | 3378.15 | 4.48 | 57.98 | 1.88 | 3160.85 | 0.68 |
| 110 | 2244.30 | 12.91 | 17695.70 | 5.69 | 113.20 | 4.10 | 613.49 | 7.20 | 287.00 | 7.79 | 929.17 | 5.28 | 19.38 | 4.47 | 0.00 | 0.00 |
| 111 | 5866.67 | 5.00 | 10985.23 | 4.94 | 0.00 | 0.00 | 0.00 | 0.00 | 546.00 | 6.83 | 231.44 | 3.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 661.08 | 10.46 | 10871.55 | 6.86 | 0.00 | 0.00 | 11101.93 | 4.00 | 439.00 | 8.53 | 652.17 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 1256.13 | 8.29 | 7953.51 | 6.52 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 3.32 | 0.00 | 0.00 | 135.28 | 5.00 | 0.00 | 0.00 |
| 114 | 0.00 | 0.00 | 815.99 | 7.83 | 0.00 | 0.00 | 464.61 | 16.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 0.00 | 0.00 | 18408.79 | 5.19 | 110.89 | 8.20 | 2443.25 | 3.80 | 241.00 | 7.78 | 528.78 | 3.73 | 105.40 | 3.87 | 0.00 | 0.00 |
| 116 | 10324.87 | 6.45 | 17484.35 | 5.36 | 0.00 | 0.00 | 4155.61 | 5.93 | 23.10 | 5.56 | 2600.27 | 5.59 | 5398.51 | 3.59 | 1750.74 | 5.60 |
| 117 | 0.00 | 0.00 | 11278.37 | 2.30 | 382.63 | 13.91 | 0.00 | 0.00 | 0.00 | 0.00 | 468.43 | 4.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 14004.70 | 3.29 | 23265.28 | 5.26 | 3860.95 | 5.60 | 3053.60 | 8.81 | 52.80 | 1.67 | 1147.80 | 11.22 | 11.54 | 4.88 | 1750.25 | 2.80 |
| 119 | 8867.62 | 3.17 | 20634.77 | 3.50 | 0.00 | 0.00 | 622.62 | 7.90 | 93.00 | 4.81 | 848.56 | 4.51 | 0.00 | 0.00 | 369.85 | 5.30 |
| 120 | 5695.60 | 6.93 | 15359.40 | 11.21 | 0.00 | 0.00 | 0.00 | 0.00 | 148.00 | 7.25 | 626.22 | 10.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 126.53 | 7.80 | 1146.83 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 1303.00 | 9.80 | 0.00 | 0.00 | 0.00 | 0.00 | 1361.35 | 17.33 | 40.00 | 11.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.00 | 12.59 | 311.67 | 13.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 0.00 | 0.00 | 24.23 | 18.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 13.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.50 | 10.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 363.40 | 10.80 | 449.59 | 9.95 | 0.00 | 0.00 | 0.00 | 0.00 | 30.00 | 11.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 0.00 | 0.00 | 2132.31 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 3072.59 | 15.50 | 5591.19 | 4.02 | 0.00 | 0.00 | 0.00 | 0.00 | 27.00 | 2.94 | 345.58 | 9.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 0.00 | 0.00 | 5836.82 | 4.54 | 540.08 | 3.80 | 0.00 | 0.00 | 89.00 | 4.79 | 175.02 | 4.40 | 12.18 | 5.76 | 0.00 | 0.00 |
| 136 | 4002.87 | 5.38 | 37642.27 | 4.10 | 4451.52 | 3.80 | 2528.77 | 5.24 | 211.05 | 6.64 | 2845.48 | 5.29 | 23.11 | 6.27 | 70.79 | 10.20 |
| 137 | 0.00 | 0.00 | 4534.77 | 6.29 | 0.00 | 0.00 | 2077.23 | 1.80 | 192.00 | 1.67 | 858.67 | 7.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 6623.52 | 4.07 | 19070.74 | 5.49 | 2211.78 | 7.33 | 350.93 | 5.80 | 116.00 | 6.70 | 543.08 | 4.94 | 24.10 | 4.52 | 0.00 | 0.00 |
| 139 | 7039.79 | 7.58 | 3511.64 | 4.50 | 0.00 | 0.00 | 1075.45 | 6.83 | 116.00 | 6.52 | 154.29 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 0.00 | 0.00 | 912.46 | 4.30 | 0.00 | 0.00 | 0.00 | 0.00 | 140.00 | 7.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 2930.50 | 6.75 | 15825.92 | 5.59 | 0.00 | 0.00 | 0.00 | 0.00 | 280.00 | 7.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 0.00 | 0.00 | 2026.28 | 9.30 | 0.00 | 0.00 | 0.00 | 0.00 | 16.00 | 5.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 4586.52 | 7.09 | 26732.64 | 4.61 | 1720.69 | 2.10 | 3838.00 | 10.54 | 163.00 | 7.19 | 1191.65 | 8.04 | 35.73 | 2.92 | 0.00 | 0.00 |
| 144 | 2521.48 | 5.89 | 35689.73 | 5.07 | 0.00 | 0.00 | 3624.19 | 7.21 | 0.00 | 0.00 | 2585.65 | 6.68 | 5.16 | 3.90 | 0.00 | 0.00 |

| Zone No | Car | | 2W | | 3W | | Shared 3W | | RMTS | | BRTS | | Cyclist | | Pedestrian | |
|---------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 362.90 | 6.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 2054.13 | 3.97 | 13674.94 | 7.38 | 2757.86 | 4.05 | 4564.62 | 5.48 | 139.70 | 6.12 | 1538.58 | 8.19 | 96.07 | 4.67 | 0.00 | 0.00 |
| 147 | 0.00 | 0.00 | 444.19 | 6.40 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 3.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 245.15 | 3.60 | 2889.63 | 15.36 | 0.00 | 0.00 | 303.27 | 17.62 | 90.00 | 12.69 | 2032.17 | 8.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 0.00 | 0.00 | 1525.91 | 6.46 | 0.00 | 0.00 | 0.00 | 0.00 | 20.00 | 12.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 0.00 | 0.00 | 3072.90 | 2.80 | 0.00 | 0.00 | 484.98 | 6.50 | 2.00 | 4.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 137.42 | 26.70 | 7926.88 | 8.75 | 2402.17 | 6.24 | 3.00 | 6.15 | 124.00 | 7.04 | 1261.04 | 7.15 | 10.10 | 4.87 | 0.00 | 0.00 |
| 157 | 964.54 | 1.40 | 1489.03 | 2.50 | 0.00 | 0.00 | 8792.00 | 6.60 | 3.00 | 11.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 0.00 | 0.00 | 264.98 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 | 7.00 | 8.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.00 | 11.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 176.09 | 17.00 | 2459.53 | 10.37 | 0.00 | 0.00 | 865.38 | 5.60 | 0.00 | 0.00 | 2032.17 | 5.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.00 | 14.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 227.91 | 8.00 | 11616.77 | 12.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 2191.11 | 3.50 | 1010.47 | 6.10 | 0.00 | 0.00 | 0.00 | 0.00 | 33.00 | 7.47 | 0.00 | 0.00 | 0.00 | 0.00 | 369.85 | 5.30 |
| 167 | 49.09 | 6.20 | 468.54 | 12.85 | 0.00 | 0.00 | 0.00 | 0.00 | 89.00 | 8.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 970.20 | 25.53 | 4118.34 | 19.83 | 0.00 | 0.00 | 252.58 | 11.20 | 2.00 | 9.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.00 | 10.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 0.00 | 0.00 | 525.15 | 8.80 | 0.00 | 0.00 | 0.00 | 0.00 | 79.00 | 11.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 0.00 | 0.00 | 5861.59 | 22.40 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 | 12.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 0.00 | 0.00 | 576.45 | 11.50 | 0.00 | 0.00 | 0.00 | 0.00 | 6.00 | 12.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.00 | 14.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1182.93 | 12.68 | 12.00 | 15.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 0.00 | 0.00 | 11.82 | 15.80 | 0.00 | 0.00 | 0.00 | 0.00 | 19.00 | 15.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 66.00 | 15.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 2547.99 | 15.64 | 1381.13 | 17.50 | 263.98 | 27.00 | 9254.27 | 15.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 604.25 | 17.57 |

8.11 Zonewise trip demand and avg. trip length in Horizon Year 2028

| Zone No | Car | | 2W | | 3W | | Shared 3W | | RMTS | | BRTS | | Cyclist | | Pedestrian | |
|---------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 756.72 | 19.70 | 34.00 | 15.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 176.09 | 17.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.00 | 11.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.00 | 8.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 110.47 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 279.19 | 12.20 | 132.95 | 12.70 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 7.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 0.00 | 0.00 | 458.51 | 6.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 0.00 | 0.00 | 621.20 | 8.70 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 3.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.00 | 7.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 0.00 | 0.00 | 621.29 | 5.40 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 7.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 0.00 | 0.00 | 999.18 | 3.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 891.55 | 11.61 | 6424.80 | 8.80 | 3140.00 | 9.40 | 887.89 | 13.40 | 119.50 | 7.29 | 1533.41 | 6.84 | 20.00 | 2.50 | 0.00 | 0.00 |
| 34 | 1.53 | 0.00 | 5689.56 | 4.36 | 0.00 | 0.00 | 5006.81 | 5.48 | 46.50 | 5.39 | 19.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 1.53 | 0.00 | 3568.53 | 0.00 | 0.00 | 0.00 | 50.31 | 0.00 | 32.50 | 6.39 | 19.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Zone No | Car | | 2W | | 3W | | Shared 3W | | RMTS | | BRTS | | Cyclist | | Pedestrian | |
|---------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length |
| 36 | 1759.95 | 0.00 | 2389.91 | 6.30 | 0.00 | 0.00 | 268.86 | 0.00 | 29.00 | 0.00 | 38.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 335.53 | 0.00 | 11363.47 | 0.00 | 0.00 | 0.00 | 61.06 | 0.00 | 41.75 | 0.00 | 260.28 | 6.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 5479.09 | 6.93 | 10899.27 | 7.04 | 95.82 | 7.80 | 4007.64 | 5.15 | 317.52 | 5.83 | 3081.74 | 5.94 | 37.66 | 7.98 | 0.00 | 0.00 |
| 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.00 | 11.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 0.00 | 0.00 | 249.63 | 9.20 | 0.00 | 0.00 | 0.00 | 0.00 | 43.00 | 8.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 0.00 | 0.00 | 0.00 | 0.00 | 1216.13 | 13.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 0.00 | 0.00 | 2762.27 | 12.04 | 0.00 | 0.00 | 0.00 | 0.00 | 64.00 | 9.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 47 | 378.43 | 17.13 | 278.72 | 15.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 3072.59 | 15.50 | 576.45 | 9.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.00 | 3.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 0.00 | 0.00 | 6263.72 | 9.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 148.46 | 7.50 | 15.00 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 56 | 186.78 | 15.80 | 552.51 | 14.35 | 0.00 | 0.00 | 0.00 | 0.00 | 22.00 | 6.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 1847.99 | 7.58 | 1977.02 | 7.43 | 622.62 | 7.90 | 219.71 | 18.43 | 88.00 | 5.10 | 92.80 | 8.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 58 | 0.00 | 0.00 | 4042.04 | 5.33 | 0.00 | 0.00 | 0.00 | 0.00 | 136.00 | 3.24 | 0.00 | 0.00 | 13.07 | 3.87 | 0.00 | 0.00 |
| 59 | 801.40 | 3.99 | 14689.28 | 6.81 | 2156.17 | 6.60 | 5334.47 | 4.19 | 148.00 | 2.37 | 346.53 | 4.28 | 28.26 | 3.74 | 0.00 | 0.00 |
| 60 | 5327.15 | 5.70 | 24997.14 | 7.88 | 0.00 | 0.00 | 0.00 | 0.00 | 118.65 | 8.50 | 2606.23 | 4.77 | 0.00 | 0.00 | 6953.85 | 0.50 |
| 61 | 949.10 | 9.09 | 18427.99 | 5.72 | 20.00 | 5.50 | 5790.37 | 4.53 | 41.75 | 0.00 | 167.18 | 3.65 | 229.80 | 5.07 | 0.00 | 0.00 |
| 62 | 1759.95 | 0.00 | 877.91 | 0.00 | 0.00 | 0.00 | 268.86 | 0.00 | 29.00 | 0.00 | 38.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 63 | 1759.95 | 0.00 | 877.91 | 0.00 | 0.00 | 0.00 | 268.86 | 0.00 | 29.00 | 0.00 | 38.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 64 | 1759.95 | 0.00 | 877.91 | 0.00 | 0.00 | 0.00 | 268.86 | 0.00 | 29.00 | 0.00 | 38.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 878.60 | 5.55 | 13141.24 | 8.82 | 15430.36 | 4.60 | 61.06 | 0.00 | 200.75 | 2.42 | 292.08 | 4.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 2008.26 | 9.68 | 19435.23 | 7.65 | 13102.02 | 11.02 | 6950.53 | 7.04 | 185.90 | 2.39 | 3248.15 | 3.80 | 139.49 | 4.34 | 0.00 | 0.00 |
| 67 | 726.79 | 5.10 | 5119.12 | 4.48 | 128.97 | 4.19 | 2716.88 | 4.60 | 13.00 | 2.37 | 0.00 | 0.00 | 21.34 | 6.30 | 0.00 | 0.00 |
| 68 | 6.10 | 6.90 | 14274.12 | 9.01 | 0.00 | 0.00 | 201.25 | 9.30 | 54.00 | 4.38 | 77.15 | 8.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 0.00 | 0.00 | 14490.62 | 6.49 | 0.00 | 0.00 | 0.00 | 0.00 | 35.00 | 7.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 2757.67 | 8.37 | 1836.28 | 10.26 | 0.00 | 0.00 | 0.00 | 0.00 | 103.00 | 9.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 0.00 | 0.00 | 2023.00 | 11.66 | 0.00 | 0.00 | 0.00 | 0.00 | 90.00 | 9.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Zone No | Car | | 2W | | 3W | | Shared 3W | | RMTS | | BRTS | | Cyclist | | Pedestrian | |
|---------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length |
| 72 | 0.00 | 0.00 | 8118.84 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 171.00 | 10.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 0.00 | 0.00 | 3965.29 | 9.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 6796.05 | 9.40 | 6789.12 | 9.93 | 0.00 | 0.00 | 63.71 | 14.10 | 8.00 | 12.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 521.11 | 8.80 | 2.00 | 12.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 0.00 | 0.00 | 4813.87 | 7.00 | 3140.00 | 9.40 | 0.00 | 0.00 | 1.00 | 4.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 24054.20 | 5.62 | 16802.79 | 14.35 | 0.00 | 0.00 | 16567.00 | 7.78 | 581.00 | 7.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 4077.36 | 5.11 | 14562.22 | 7.61 | 19873.68 | 8.07 | 837.99 | 8.50 | 407.00 | 5.09 | 715.63 | 5.94 | 104.43 | 5.40 | 0.00 | 0.00 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 4782.99 | 2.57 | 10217.76 | 17.14 | 0.00 | 0.00 | 8619.45 | 6.94 | 113.00 | 3.09 | 0.00 | 0.00 | 71.47 | 4.04 | 0.00 | 0.00 |
| 81 | 6288.08 | 4.21 | 45286.91 | 4.45 | 15737.02 | 2.20 | 26006.49 | 17.50 | 298.10 | 5.77 | 3144.25 | 3.88 | 5388.92 | 3.61 | 175.79 | 1.80 |
| 82 | 1342.11 | 13.05 | 45453.90 | 10.25 | 0.00 | 0.00 | 244.24 | 4.85 | 167.00 | 9.73 | 397.40 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 2305.04 | 6.10 | 4297.11 | 5.77 | 2078.49 | 5.40 | 1497.92 | 9.30 | 478.00 | 8.58 | 251.16 | 5.60 | 62.77 | 3.15 | 0.00 | 0.00 |
| 84 | 1759.95 | 0.00 | 877.91 | 0.00 | 0.00 | 0.00 | 268.86 | 0.00 | 29.00 | 0.00 | 38.57 | 0.00 | 62.77 | 3.50 | 0.00 | 0.00 |
| 85 | 3164.87 | 8.62 | 1332.18 | 5.50 | 0.00 | 0.00 | 432.69 | 9.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 0.00 | 0.00 | 3342.32 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 | 59.00 | 5.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 3952.36 | 5.02 | 37511.03 | 5.78 | 2637.60 | 4.10 | 309.24 | 4.40 | 55.00 | 5.98 | 229.82 | 3.87 | 65.09 | 2.45 | 0.00 | 0.00 |
| 88 | 9878.54 | 8.28 | 40389.25 | 6.38 | 3217.87 | 1.00 | 1608.94 | 5.20 | 48.00 | 3.52 | 918.85 | 4.42 | 12.15 | 2.72 | 287.66 | 1.10 |
| 89 | 10598.79 | 1.86 | 40924.91 | 2.41 | 0.00 | 0.00 | 2016.98 | 6.35 | 177.00 | 4.60 | 805.43 | 4.48 | 0.00 | 0.00 | 8330.51 | 6.01 |
| 90 | 2443.39 | 5.77 | 22716.07 | 9.19 | 1506.42 | 6.85 | 2146.67 | 4.60 | 563.00 | 4.99 | 424.51 | 4.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 2314.41 | 12.21 | 28997.25 | 5.67 | 1502.27 | 5.10 | 7941.51 | 7.30 | 722.00 | 6.92 | 0.00 | 0.00 | 135.28 | 5.00 | 0.00 | 0.00 |
| 92 | 2266.67 | 6.50 | 28771.48 | 7.26 | 0.00 | 0.00 | 1221.63 | 26.70 | 1570.60 | 8.46 | 0.00 | 0.00 | 40.12 | 6.80 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 12.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.00 | 9.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57.00 | 10.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 2191.11 | 8.10 | 764.51 | 10.25 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 6.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 0.00 | 0.00 | 2225.52 | 12.77 | 0.00 | 0.00 | 0.00 | 0.00 | 6.00 | 9.23 | 79.10 | 8.30 | 4.15 | 11.30 | 0.00 | 0.00 |
| 101 | 0.00 | 0.00 | 429.22 | 13.50 | 0.00 | 0.00 | 0.00 | 0.00 | 16.00 | 4.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 3326.22 | 7.70 | 3588.46 | 11.95 | 0.00 | 0.00 | 0.00 | 0.00 | 25.00 | 4.98 | 311.67 | 6.20 | 2.14 | 15.80 | 1591.58 | 5.60 |
| 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 88.00 | 5.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 13047.03 | 1.89 | 7166.48 | 9.19 | 0.00 | 0.00 | 0.00 | 0.00 | 378.00 | 7.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 2946.67 | 6.41 | 7111.80 | 8.04 | 0.00 | 0.00 | 2443.25 | 11.05 | 253.00 | 6.75 | 0.00 | 0.00 | 102.00 | 3.60 | 0.00 | 0.00 |
| 106 | 0.00 | 0.00 | 645.51 | 6.28 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 4.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 1077.78 | 5.51 | 3146.87 | 3.94 | 76.05 | 7.80 | 687.31 | 10.78 | 21.00 | 3.51 | 528.99 | 6.48 | 27.25 | 17.55 | 0.00 | 0.00 |

| Zone No | Car | | 2W | | 3W | | Shared 3W | | RMTS | | BRTS | | Cyclist | | Pedestrian | |
|---------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length |
| 108 | 1420.87 | 5.88 | 4104.97 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 339.71 | 4.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 31200.19 | 8.88 | 74919.73 | 4.21 | 9597.24 | 6.11 | 14555.13 | 17.90 | 969.00 | 5.47 | 3378.15 | 4.48 | 57.98 | 1.88 | 3160.85 | 0.68 |
| 110 | 2244.30 | 12.91 | 17695.70 | 5.69 | 113.20 | 4.10 | 613.49 | 7.20 | 287.00 | 7.79 | 929.17 | 5.28 | 19.38 | 4.47 | 0.00 | 0.00 |
| 111 | 5866.67 | 5.00 | 10985.23 | 4.94 | 0.00 | 0.00 | 0.00 | 0.00 | 546.00 | 6.83 | 231.44 | 3.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 661.08 | 10.46 | 10871.55 | 6.86 | 0.00 | 0.00 | 11101.93 | 4.00 | 439.00 | 8.53 | 652.17 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 1256.13 | 8.29 | 7953.51 | 6.52 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 3.32 | 0.00 | 0.00 | 135.28 | 5.00 | 0.00 | 0.00 |
| 114 | 0.00 | 0.00 | 815.99 | 7.83 | 0.00 | 0.00 | 464.61 | 16.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 0.00 | 0.00 | 18408.79 | 5.19 | 110.89 | 8.20 | 2443.25 | 3.80 | 241.00 | 7.78 | 528.78 | 3.73 | 105.40 | 3.87 | 0.00 | 0.00 |
| 116 | 10324.87 | 6.45 | 17484.35 | 5.36 | 0.00 | 0.00 | 4155.61 | 5.93 | 23.10 | 5.56 | 2600.27 | 5.59 | 5398.51 | 3.59 | 1750.74 | 5.60 |
| 117 | 0.00 | 0.00 | 11278.37 | 2.30 | 382.63 | 13.91 | 0.00 | 0.00 | 0.00 | 0.00 | 468.43 | 4.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 14004.70 | 3.29 | 23265.28 | 5.26 | 3860.95 | 5.60 | 3053.60 | 8.81 | 52.80 | 1.67 | 1147.80 | 11.22 | 11.54 | 4.88 | 1750.25 | 2.80 |
| 119 | 8867.62 | 3.17 | 20634.77 | 3.50 | 0.00 | 0.00 | 622.62 | 7.90 | 93.00 | 4.81 | 848.56 | 4.51 | 0.00 | 0.00 | 369.85 | 5.30 |
| 120 | 5695.60 | 6.93 | 15359.40 | 11.21 | 0.00 | 0.00 | 0.00 | 0.00 | 148.00 | 7.25 | 626.22 | 10.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 126.53 | 7.80 | 1146.83 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 1303.00 | 9.80 | 0.00 | 0.00 | 0.00 | 0.00 | 1361.35 | 17.33 | 40.00 | 11.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.00 | 12.59 | 311.67 | 13.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 0.00 | 0.00 | 24.23 | 18.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 13.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.50 | 10.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 363.40 | 10.80 | 449.59 | 9.95 | 0.00 | 0.00 | 0.00 | 0.00 | 30.00 | 11.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 0.00 | 0.00 | 2132.31 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 3072.59 | 15.50 | 5591.19 | 4.02 | 0.00 | 0.00 | 0.00 | 0.00 | 27.00 | 2.94 | 345.58 | 9.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 0.00 | 0.00 | 5836.82 | 4.54 | 540.08 | 3.80 | 0.00 | 0.00 | 89.00 | 4.79 | 175.02 | 4.40 | 12.18 | 5.76 | 0.00 | 0.00 |
| 136 | 4002.87 | 5.38 | 37642.27 | 4.10 | 4451.52 | 3.80 | 2528.77 | 5.24 | 211.05 | 6.64 | 2845.48 | 5.29 | 23.11 | 6.27 | 70.79 | 10.20 |
| 137 | 0.00 | 0.00 | 4534.77 | 6.29 | 0.00 | 0.00 | 2077.23 | 1.80 | 192.00 | 1.67 | 858.67 | 7.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 6623.52 | 4.07 | 19070.74 | 5.49 | 2211.78 | 7.33 | 350.93 | 5.80 | 116.00 | 6.70 | 543.08 | 4.94 | 24.10 | 4.52 | 0.00 | 0.00 |
| 139 | 7039.79 | 7.58 | 3511.64 | 4.50 | 0.00 | 0.00 | 1075.45 | 6.83 | 116.00 | 6.52 | 154.29 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 0.00 | 0.00 | 912.46 | 4.30 | 0.00 | 0.00 | 0.00 | 0.00 | 140.00 | 7.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 2930.50 | 6.75 | 15825.92 | 5.59 | 0.00 | 0.00 | 0.00 | 0.00 | 280.00 | 7.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 0.00 | 0.00 | 2026.28 | 9.30 | 0.00 | 0.00 | 0.00 | 0.00 | 16.00 | 5.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 4586.52 | 7.09 | 26732.64 | 4.61 | 1720.69 | 2.10 | 3838.00 | 10.54 | 163.00 | 7.19 | 1191.65 | 8.04 | 35.73 | 2.92 | 0.00 | 0.00 |
| 144 | 2521.48 | 5.89 | 35689.73 | 5.07 | 0.00 | 0.00 | 3624.19 | 7.21 | 0.00 | 0.00 | 2585.65 | 6.68 | 5.16 | 3.90 | 0.00 | 0.00 |

| Zone No | Car | | 2W | | 3W | | Shared 3W | | RMTS | | BRTS | | Cyclist | | Pedestrian | |
|---------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length | Daily Trips | Avg.Trip Length |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 362.90 | 6.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 2054.13 | 3.97 | 13674.94 | 7.38 | 2757.86 | 4.05 | 4564.62 | 5.48 | 139.70 | 6.12 | 1538.58 | 8.19 | 96.07 | 4.67 | 0.00 | 0.00 |
| 147 | 0.00 | 0.00 | 444.19 | 6.40 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 3.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 245.15 | 3.60 | 2889.63 | 15.36 | 0.00 | 0.00 | 303.27 | 17.62 | 90.00 | 12.69 | 2032.17 | 8.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 0.00 | 0.00 | 1525.91 | 6.46 | 0.00 | 0.00 | 0.00 | 0.00 | 20.00 | 12.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 0.00 | 0.00 | 3072.90 | 2.80 | 0.00 | 0.00 | 484.98 | 6.50 | 2.00 | 4.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 137.42 | 26.70 | 7926.88 | 8.75 | 2402.17 | 6.24 | 3.00 | 6.15 | 124.00 | 7.04 | 1261.04 | 7.15 | 10.10 | 4.87 | 0.00 | 0.00 |
| 157 | 964.54 | 1.40 | 1489.03 | 2.50 | 0.00 | 0.00 | 8792.00 | 6.60 | 3.00 | 11.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 0.00 | 0.00 | 264.98 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 | 7.00 | 8.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.00 | 11.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 176.09 | 17.00 | 2459.53 | 10.37 | 0.00 | 0.00 | 865.38 | 5.60 | 0.00 | 0.00 | 2032.17 | 5.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.00 | 14.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 227.91 | 8.00 | 11616.77 | 12.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 2191.11 | 3.50 | 1010.47 | 6.10 | 0.00 | 0.00 | 0.00 | 0.00 | 33.00 | 7.47 | 0.00 | 0.00 | 0.00 | 0.00 | 369.85 | 5.30 |
| 167 | 49.09 | 6.20 | 468.54 | 12.85 | 0.00 | 0.00 | 0.00 | 0.00 | 89.00 | 8.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 970.20 | 25.53 | 4118.34 | 19.83 | 0.00 | 0.00 | 252.58 | 11.20 | 2.00 | 9.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.00 | 10.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 0.00 | 0.00 | 525.15 | 8.80 | 0.00 | 0.00 | 0.00 | 0.00 | 79.00 | 11.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 0.00 | 0.00 | 5861.59 | 22.40 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 | 12.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 0.00 | 0.00 | 576.45 | 11.50 | 0.00 | 0.00 | 0.00 | 0.00 | 6.00 | 12.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.00 | 14.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1182.93 | 12.68 | 12.00 | 15.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 0.00 | 0.00 | 11.82 | 15.80 | 0.00 | 0.00 | 0.00 | 0.00 | 19.00 | 15.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 66.00 | 15.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 2547.99 | 15.64 | 1381.13 | 17.50 | 263.98 | 27.00 | 9254.27 | 15.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 604.25 | 17.57 |
| 178 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 1759.95 | 8.58 | 877.91 | 5.50 | 0.00 | 0.00 | 268.86 | 7.83 | 29.00 | 7.52 | 38.57 | 9.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | 815.47 | 8.10 | 2912.44 | 7.77 | 3974.74 | 7.40 | 167.60 | 11.30 | 81.40 | 10.58 | 143.13 | 7.60 | 20.89 | 5.15 | 0.00 | 0.00 |
| 182 | 815.47 | 9.10 | 2912.44 | 8.77 | 3974.74 | 8.40 | 167.60 | 12.30 | 81.40 | 11.58 | 143.13 | 8.60 | 20.89 | 6.15 | 0.00 | 0.00 |

8.12 Zonewise expected shift to each feeder mode-2023

8.12.1 To Feeder Walk

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 5.04 | 0.23 | 0.00 | 0.00 | 5 | 34 | 0.00 | 0.88 | 0.00 | 2.07 | 0.01 | 0.00 | 0.00 | 3 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 36 | 0.00 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 38 | 2.28 | 4.54 | 0.04 | 10.02 | 0.13 | 0.00 | 0.00 | 17 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 40 | 0.00 | 0.21 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 42 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 | 3 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 43 | 0.00 | 10.36 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 10 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 13 | 0.51 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 1 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 47 | 2.05 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 19 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 52 | 16.64 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 54 | 0.00 | 5.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 55 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0 |
| 23 | 0.47 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 | 56 | 1.01 | 0.92 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 2 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 57 | 0.77 | 0.82 | 0.26 | 1.19 | 0.04 | 0.00 | 0.00 | 3 |
| 25 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 58 | 0.00 | 1.68 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 2 |
| 26 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 59 | 0.33 | 6.12 | 0.90 | 2.22 | 0.02 | 0.00 | 0.00 | 10 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 60 | 2.22 | 10.41 | 0.00 | 0.00 | 0.05 | 0.00 | 0.14 | 13 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0 | 61 | 0.51 | 2.94 | 0.01 | 2.39 | 0.00 | 0.00 | 0.00 | 6 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 30 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 32 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 65 | 0.23 | 1.48 | 6.43 | 0.00 | 0.02 | 0.00 | 0.00 | 8 |
| 33 | 2.22 | 2.38 | 3.92 | 3.14 | 0.04 | 0.00 | 0.00 | 12 | 66 | 1.67 | 8.10 | 32.75 | 2.90 | 0.02 | 0.00 | 0.00 | 45 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 67 | 0.30 | 2.13 | 0.05 | 1.13 | 0.00 | 0.00 | 0.00 | 4 | 102 | 1.39 | 8.97 | 0.00 | 0.00 | 0.01 | 0.00 | 0.03 | 10 |
| 68 | 0.00 | 11.89 | 0.00 | 0.17 | 0.02 | 0.00 | 0.00 | 12 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0 |
| 69 | 0.00 | 6.04 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 6 | 104 | 5.44 | 5.97 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 12 |
| 70 | 1.15 | 1.53 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 3 | 105 | 1.23 | 2.96 | 0.00 | 9.16 | 0.11 | 0.00 | 0.00 | 13 |
| 71 | 0.00 | 3.37 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 3 | 106 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 72 | 0.00 | 6.77 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 7 | 107 | 0.45 | 1.31 | 0.03 | 0.57 | 0.01 | 0.01 | 0.00 | 2 |
| 73 | 0.00 | 4.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5 | 108 | 0.59 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2 |
| 74 | 5.66 | 8.49 | 0.00 | 0.16 | 0.03 | 0.00 | 0.00 | 14 | 109 | 26.00 | 31.21 | 4.00 | 78.84 | 0.40 | 0.00 | 0.06 | 141 |
| 75 | 0.00 | 0.00 | 0.00 | 0.43 | 0.01 | 0.00 | 0.00 | 0 | 110 | 5.61 | 7.37 | 0.05 | 1.53 | 0.12 | 0.00 | 0.00 | 15 |
| 76 | 0.00 | 2.01 | 3.92 | 0.00 | 0.00 | 0.00 | 0.00 | 6 | 111 | 2.44 | 4.58 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 7 |
| 77 | 10.02 | 63.01 | 0.00 | 6.90 | 0.24 | 0.00 | 0.00 | 80 | 112 | 0.55 | 4.53 | 0.00 | 4.63 | 0.18 | 0.00 | 0.00 | 10 |
| 78 | 1.70 | 6.07 | 8.28 | 0.35 | 0.17 | 0.00 | 0.00 | 17 | 113 | 0.52 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 114 | 0.00 | 0.34 | 0.00 | 2.52 | 0.00 | 0.00 | 0.00 | 3 |
| 80 | 1.99 | 55.34 | 0.00 | 3.59 | 0.13 | 0.00 | 0.00 | 61 | 115 | 0.00 | 7.67 | 0.05 | 1.02 | 0.10 | 0.00 | 0.00 | 9 |
| 81 | 2.62 | 18.87 | 6.56 | 173.37 | 0.12 | 0.11 | 0.00 | 202 | 116 | 4.30 | 7.28 | 0.00 | 1.73 | 0.01 | 0.11 | 0.03 | 13 |
| 82 | 2.24 | 56.81 | 0.00 | 0.10 | 0.21 | 0.00 | 0.00 | 59 | 117 | 0.00 | 4.70 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 5 |
| 83 | 0.23 | 1.42 | 0.87 | 1.02 | 0.19 | 0.00 | 0.00 | 4 | 118 | 5.83 | 9.69 | 1.61 | 2.54 | 0.01 | 0.00 | 0.03 | 20 |
| 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 119 | 3.69 | 8.60 | 0.00 | 0.26 | 0.04 | 0.00 | 0.01 | 13 |
| 85 | 1.32 | 0.56 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2 | 120 | 2.37 | 38.40 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 41 |
| 86 | 0.00 | 1.39 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 1 | 121 | 0.05 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 |
| 87 | 1.65 | 15.63 | 1.10 | 1.29 | 0.02 | 0.00 | 0.00 | 20 | 122 | 1.09 | 0.00 | 0.00 | 7.37 | 0.15 | 0.00 | 0.00 | 9 |
| 88 | 4.12 | 16.83 | 1.34 | 0.67 | 0.02 | 0.00 | 0.01 | 23 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 89 | 4.42 | 17.05 | 0.00 | 0.84 | 0.07 | 0.00 | 0.17 | 23 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 90 | 1.02 | 18.93 | 0.63 | 0.89 | 0.23 | 0.00 | 0.00 | 22 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 91 | 3.86 | 12.08 | 0.63 | 3.31 | 0.30 | 0.00 | 0.00 | 20 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0 |
| 92 | 0.94 | 11.99 | 0.00 | 13.74 | 0.65 | 0.00 | 0.00 | 27 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0 | 128 | 0.00 | 0.07 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 132 | 0.30 | 0.37 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 1 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 133 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 |
| 99 | 0.91 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2 | 134 | 16.64 | 2.33 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 19 |
| 100 | 0.00 | 5.56 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 6 | 135 | 0.00 | 2.43 | 0.23 | 0.00 | 0.04 | 0.00 | 0.00 | 3 |
| 101 | 0.00 | 1.07 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 1 | 136 | 1.67 | 15.68 | 1.85 | 1.05 | 0.09 | 0.00 | 0.00 | 20 |

8.12.2 To Feeder Bicycle Sharing

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 15.13 | 1.36 | 0.00 | 0.00 | 16.49 | 34 | 0.04 | 0.88 | 0.00 | 12.39 | 0.14 | 0.00 | 0.00 | 13.45 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.08 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36 | 0.03 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38 | 4.54 | 4.54 | 0.04 | 10.02 | 1.32 | 0.00 | 0.00 | 20.46 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.40 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40 | 0.00 | 0.21 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.39 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43 | 0.05 | 10.36 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 10.73 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.29 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47 | 1.51 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.14 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 52 | 3.12 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.60 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.05 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54 | 0.12 | 5.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.34 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.37 |
| 23 | 0.22 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 56 | 2.99 | 0.92 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 4.01 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57 | 0.82 | 0.82 | 0.26 | 3.57 | 0.37 | 0.00 | 0.00 | 5.84 |
| 25 | 0.01 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 58 | 0.08 | 1.68 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 1.93 |
| 26 | 0.01 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 59 | 6.12 | 6.12 | 0.90 | 2.22 | 0.02 | 0.00 | 0.00 | 15.38 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60 | 10.41 | 10.41 | 0.00 | 0.00 | 0.49 | 0.00 | 0.14 | 21.46 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.06 | 61 | 5.89 | 2.94 | 0.01 | 2.39 | 0.00 | 0.00 | 0.00 | 11.23 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 0.01 | 0.26 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.28 | 63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 0.02 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 65 | 0.74 | 1.48 | 6.43 | 0.00 | 0.02 | 0.00 | 0.00 | 8.67 |
| 33 | 7.14 | 2.38 | 3.92 | 3.14 | 0.44 | 0.00 | 0.00 | 17.03 | 66 | 16.19 | 8.10 | 32.75 | 8.69 | 0.02 | 0.00 | 0.00 | 65.76 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 67 | 2.13 | 2.13 | 0.05 | 1.13 | 0.00 | 0.00 | 0.00 | 5.45 | 102 | 1.50 | 8.97 | 0.00 | 0.00 | 0.10 | 0.00 | 0.03 | 10.60 |
| 68 | 5.95 | 11.89 | 0.00 | 0.50 | 0.34 | 0.00 | 0.00 | 18.68 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.22 |
| 69 | 0.29 | 6.04 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 6.47 | 104 | 2.99 | 5.97 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 9.90 |
| 70 | 0.77 | 1.53 | 0.00 | 0.00 | 0.51 | 0.00 | 0.00 | 2.81 | 105 | 2.96 | 2.96 | 0.00 | 54.97 | 1.05 | 0.00 | 0.00 | 61.95 |
| 71 | 0.04 | 3.37 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 3.86 | 106 | 0.01 | 0.27 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.30 |
| 72 | 0.16 | 6.77 | 0.00 | 0.00 | 0.64 | 0.00 | 0.00 | 7.57 | 107 | 1.31 | 1.31 | 0.03 | 0.57 | 0.13 | 0.05 | 0.00 | 3.41 |
| 73 | 0.08 | 4.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 108 | 1.71 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.42 |
| 74 | 5.66 | 8.49 | 0.00 | 0.48 | 0.18 | 0.00 | 0.00 | 14.80 | 109 | 62.43 | 31.21 | 4.00 | 236.51 | 4.04 | 0.00 | 0.06 | 338.25 |
| 75 | 0.00 | 0.00 | 0.00 | 0.43 | 0.04 | 0.00 | 0.00 | 0.48 | 110 | 44.24 | 7.37 | 0.05 | 1.53 | 1.20 | 0.00 | 0.00 | 54.39 |
| 76 | 0.10 | 2.01 | 3.92 | 0.00 | 0.01 | 0.00 | 0.00 | 6.03 | 111 | 4.58 | 4.58 | 0.00 | 0.00 | 2.27 | 0.00 | 0.00 | 11.43 |
| 77 | 7.00 | 63.01 | 0.00 | 6.90 | 1.45 | 0.00 | 0.00 | 78.36 | 112 | 9.06 | 4.53 | 0.00 | 4.63 | 1.83 | 0.00 | 0.00 | 20.04 |
| 78 | 6.07 | 6.07 | 8.28 | 1.05 | 1.02 | 0.00 | 0.00 | 22.48 | 113 | 3.31 | 3.31 | 0.00 | 0.00 | 0.02 | 0.01 | 0.00 | 6.65 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 114 | 0.02 | 0.34 | 0.00 | 7.55 | 0.00 | 0.00 | 0.00 | 7.91 |
| 80 | 4.26 | 55.34 | 0.00 | 3.59 | 0.13 | 0.00 | 0.00 | 63.33 | 115 | 0.37 | 7.67 | 0.05 | 10.18 | 1.00 | 0.00 | 0.00 | 19.27 |
| 81 | 18.87 | 18.87 | 6.56 | 173.37 | 0.75 | 0.11 | 0.00 | 218.51 | 116 | 7.28 | 7.28 | 0.00 | 5.19 | 0.10 | 0.11 | 0.03 | 20.00 |
| 82 | 75.75 | 56.81 | 0.00 | 0.31 | 1.25 | 0.00 | 0.00 | 134.12 | 117 | 0.22 | 4.70 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 5.56 |
| 83 | 1.42 | 1.42 | 0.87 | 1.02 | 1.87 | 0.00 | 0.00 | 6.61 | 118 | 9.69 | 9.69 | 1.61 | 7.63 | 0.01 | 0.00 | 0.03 | 28.67 |
| 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 119 | 8.60 | 8.60 | 0.00 | 0.78 | 0.23 | 0.00 | 0.01 | 18.21 |
| 85 | 0.56 | 0.56 | 0.00 | 2.16 | 0.00 | 0.00 | 0.00 | 3.27 | 120 | 6.40 | 38.40 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 45.17 |
| 86 | 0.07 | 1.39 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 1.70 | 121 | 0.48 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 |
| 87 | 15.63 | 15.63 | 1.10 | 0.77 | 0.23 | 0.00 | 0.00 | 33.36 | 122 | 0.00 | 0.00 | 0.00 | 22.12 | 0.90 | 0.00 | 0.00 | 23.02 |
| 88 | 16.83 | 16.83 | 1.34 | 0.67 | 0.30 | 0.00 | 0.01 | 35.97 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 17.05 | 17.05 | 0.00 | 0.84 | 1.11 | 0.00 | 0.17 | 36.21 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 9.46 | 18.93 | 0.63 | 2.68 | 1.41 | 0.00 | 0.00 | 33.11 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 48.33 | 12.08 | 0.63 | 3.31 | 1.80 | 0.01 | 0.00 | 66.15 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 0.00 | 0.00 | 2.41 |
| 92 | 11.99 | 11.99 | 0.00 | 41.23 | 3.93 | 0.00 | 0.00 | 69.13 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 | 128 | 0.00 | 0.07 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.18 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.29 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 | 0.43 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132 | 0.37 | 0.37 | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 1.42 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 133 | 0.04 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 |
| 99 | 0.32 | 0.96 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 1.29 | 134 | 30.28 | 2.33 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 32.78 |
| 100 | 0.04 | 5.56 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 5.65 | 135 | 0.12 | 2.43 | 0.23 | 0.00 | 0.56 | 0.00 | 0.00 | 3.33 |
| 101 | 0.01 | 1.07 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 1.18 | 136 | 15.68 | 15.68 | 1.85 | 3.16 | 0.53 | 0.00 | 0.00 | 36.91 |

8.12.3 To RMTS Bus

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 2.40 | 0.02 | 0.00 | 0.00 | 2.42 | 34 | 0.04 | 0.88 | 0.00 | 1.48 | 0.00 | 0.00 | 0.00 | 2.40 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36 | 0.03 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38 | 4.54 | 4.54 | 0.04 | 1.67 | 0.01 | 0.00 | 0.00 | 10.81 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43 | 0.05 | 10.36 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 10.42 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47 | 1.51 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 52 | 3.12 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.60 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54 | 0.12 | 5.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.34 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.03 |
| 23 | 0.22 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 56 | 2.99 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.91 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57 | 0.82 | 0.82 | 0.26 | 0.57 | 0.00 | 0.00 | 0.00 | 2.48 |
| 25 | 0.01 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 58 | 0.08 | 1.68 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 1.77 |
| 26 | 0.01 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 59 | 6.12 | 6.12 | 0.90 | 2.22 | 0.04 | 0.00 | 0.00 | 15.40 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60 | 10.41 | 10.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 20.97 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 61 | 5.89 | 2.94 | 0.01 | 2.39 | 0.00 | 0.00 | 0.00 | 11.23 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 0.01 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 0.02 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 65 | 0.74 | 1.48 | 6.43 | 0.00 | 0.04 | 0.00 | 0.00 | 8.69 |
| 33 | 7.14 | 2.38 | 3.92 | 3.14 | 0.00 | 0.00 | 0.00 | 16.59 | 66 | 16.19 | 8.10 | 32.75 | 2.90 | 0.04 | 0.00 | 0.00 | 59.99 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 67 | 2.13 | 2.13 | 0.05 | 1.13 | 0.00 | 0.00 | 0.00 | 5.45 | 102 | 1.50 | 8.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 10.50 |
| 68 | 5.95 | 11.89 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 17.96 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 0.29 | 6.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 104 | 2.99 | 5.97 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 8.97 |
| 70 | 0.77 | 1.53 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 2.30 | 105 | 2.96 | 2.96 | 0.00 | 6.54 | 0.01 | 0.00 | 0.00 | 12.48 |
| 71 | 0.04 | 3.37 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 3.42 | 106 | 0.01 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 |
| 72 | 0.16 | 6.77 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 6.95 | 107 | 1.31 | 1.31 | 0.03 | 0.57 | 0.00 | 0.03 | 0.00 | 3.25 |
| 73 | 0.08 | 4.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 108 | 1.71 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.42 |
| 74 | 5.66 | 8.49 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 14.26 | 109 | 62.43 | 31.21 | 4.00 | 37.54 | 0.04 | 0.00 | 0.06 | 135.29 |
| 75 | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.43 | 110 | 44.24 | 7.37 | 0.05 | 0.18 | 0.01 | 0.00 | 0.00 | 51.85 |
| 76 | 0.10 | 2.01 | 3.92 | 0.00 | 0.00 | 0.00 | 0.00 | 6.03 | 111 | 4.58 | 4.58 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 9.18 |
| 77 | 7.00 | 63.01 | 0.00 | 6.90 | 0.02 | 0.00 | 0.00 | 76.93 | 112 | 9.06 | 4.53 | 0.00 | 4.63 | 0.02 | 0.00 | 0.00 | 18.23 |
| 78 | 6.07 | 6.07 | 8.28 | 0.25 | 0.02 | 0.00 | 0.00 | 20.68 | 113 | 3.31 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.63 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 114 | 0.02 | 0.34 | 0.00 | 1.80 | 0.00 | 0.00 | 0.00 | 2.15 |
| 80 | 4.26 | 55.34 | 0.00 | 3.59 | 0.00 | 0.00 | 0.00 | 63.20 | 115 | 0.37 | 7.67 | 0.05 | 1.02 | 0.01 | 0.00 | 0.00 | 9.11 |
| 81 | 18.87 | 18.87 | 6.56 | 123.83 | 0.01 | 0.11 | 0.00 | 168.25 | 116 | 7.28 | 7.28 | 0.00 | 1.73 | 0.00 | 0.11 | 0.03 | 16.44 |
| 82 | 75.75 | 56.81 | 0.00 | 0.10 | 0.02 | 0.00 | 0.00 | 132.69 | 117 | 0.22 | 4.70 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 5.56 |
| 83 | 1.42 | 1.42 | 0.87 | 0.73 | 0.02 | 0.00 | 0.00 | 4.47 | 118 | 9.69 | 9.69 | 1.61 | 1.82 | 0.01 | 0.00 | 0.03 | 22.86 |
| 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 119 | 8.60 | 8.60 | 0.00 | 0.26 | 0.00 | 0.00 | 0.01 | 17.46 |
| 85 | 0.56 | 0.56 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 1.37 | 120 | 6.40 | 38.40 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 44.80 |
| 86 | 0.07 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 121 | 0.48 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 |
| 87 | 15.63 | 15.63 | 1.10 | 0.13 | 0.00 | 0.00 | 0.00 | 32.49 | 122 | 0.00 | 0.00 | 0.00 | 5.27 | 0.01 | 0.00 | 0.00 | 5.28 |
| 88 | 16.83 | 16.83 | 1.34 | 0.67 | 0.00 | 0.00 | 0.01 | 35.67 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 17.05 | 17.05 | 0.00 | 0.84 | 0.01 | 0.00 | 0.17 | 35.11 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 9.46 | 18.93 | 0.63 | 0.89 | 0.02 | 0.00 | 0.00 | 29.94 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 48.33 | 12.08 | 0.63 | 3.31 | 0.03 | 0.00 | 0.00 | 64.37 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.04 |
| 92 | 11.99 | 11.99 | 0.00 | 39.26 | 0.06 | 0.00 | 0.00 | 63.30 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 128 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132 | 0.37 | 0.37 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.76 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 133 | 0.04 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 |
| 99 | 0.32 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 134 | 30.28 | 2.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.61 |
| 100 | 0.04 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.61 | 135 | 0.12 | 2.43 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 2.78 |
| 101 | 0.01 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.08 | 136 | 15.68 | 15.68 | 1.85 | 1.05 | 0.01 | 0.00 | 0.00 | 34.29 |

8.12.4 To RMTS - Hybrid BRT

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 7.21 | 0.02 | 0.00 | 0.24 | 7.47 | 34 | 0.04 | 0.88 | 0.00 | 1.48 | 0.00 | 0.00 | 0.24 | 2.64 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 36 | 0.03 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.90 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 38 | 4.54 | 4.54 | 0.04 | 1.67 | 0.01 | 0.00 | 0.24 | 11.05 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.24 | 0.25 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 40 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.45 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 42 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.24 | 3.28 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 43 | 0.05 | 10.36 | 0.00 | 0.00 | 0.02 | 0.00 | 0.24 | 10.67 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 47 | 1.51 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 3.26 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 52 | 3.12 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 3.84 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 54 | 0.12 | 5.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 5.58 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 55 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.24 | 0.27 |
| 23 | 0.22 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.68 | 56 | 2.99 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 4.15 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 57 | 0.82 | 0.82 | 0.26 | 2.55 | 0.00 | 0.00 | 0.24 | 4.70 |
| 25 | 0.01 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.44 | 58 | 0.08 | 1.68 | 0.00 | 0.00 | 0.02 | 0.00 | 0.24 | 2.02 |
| 26 | 0.01 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.51 | 59 | 6.12 | 6.12 | 0.90 | 2.22 | 0.04 | 0.00 | 0.24 | 15.64 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 60 | 10.41 | 10.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 | 21.30 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 61 | 5.89 | 2.94 | 0.01 | 2.39 | 0.00 | 0.00 | 0.24 | 11.47 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 30 | 0.01 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.51 | 63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 32 | 0.02 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.68 | 65 | 0.74 | 1.48 | 6.43 | 0.00 | 0.04 | 0.00 | 0.24 | 8.93 |
| 33 | 7.14 | 2.38 | 3.92 | 3.14 | 0.00 | 0.00 | 0.24 | 16.83 | 66 | 16.19 | 8.10 | 32.75 | 2.90 | 0.04 | 0.00 | 0.24 | 60.23 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 67 | 2.13 | 2.13 | 0.05 | 1.13 | 0.00 | 0.00 | 0.24 | 5.69 | 102 | 1.50 | 8.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 10.76 |
| 68 | 5.95 | 11.89 | 0.00 | 0.17 | 0.00 | 0.00 | 0.24 | 18.25 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.24 | 0.25 |
| 69 | 0.29 | 6.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 6.57 | 104 | 2.99 | 5.97 | 0.00 | 0.00 | 0.04 | 0.00 | 0.24 | 9.24 |
| 70 | 0.77 | 1.53 | 0.00 | 0.00 | 0.02 | 0.00 | 0.24 | 2.56 | 105 | 2.96 | 2.96 | 0.00 | 6.54 | 0.01 | 0.00 | 0.24 | 12.72 |
| 71 | 0.04 | 3.37 | 0.00 | 0.00 | 0.02 | 0.00 | 0.24 | 3.67 | 106 | 0.01 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.52 |
| 72 | 0.16 | 6.77 | 0.00 | 0.00 | 0.06 | 0.00 | 0.24 | 7.23 | 107 | 1.31 | 1.31 | 0.03 | 0.57 | 0.00 | 0.05 | 0.24 | 3.52 |
| 73 | 0.08 | 4.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 5.27 | 108 | 1.71 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 3.66 |
| 74 | 5.66 | 8.49 | 0.00 | 0.48 | 0.00 | 0.00 | 0.24 | 14.86 | 109 | 62.43 | 31.21 | 4.00 | 168.93 | 0.04 | 0.00 | 0.34 | 266.96 |
| 75 | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 | 0.24 | 0.67 | 110 | 44.24 | 7.37 | 0.05 | 0.26 | 0.01 | 0.00 | 0.24 | 52.16 |
| 76 | 0.10 | 2.01 | 3.92 | 0.00 | 0.00 | 0.00 | 0.24 | 6.27 | 111 | 4.58 | 4.58 | 0.00 | 0.00 | 0.02 | 0.00 | 0.24 | 9.42 |
| 77 | 7.00 | 63.01 | 0.00 | 6.90 | 0.07 | 0.00 | 0.24 | 77.22 | 112 | 9.06 | 4.53 | 0.00 | 4.63 | 0.02 | 0.00 | 0.24 | 18.47 |
| 78 | 6.07 | 6.07 | 8.28 | 0.35 | 0.05 | 0.00 | 0.24 | 21.05 | 113 | 3.31 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 6.87 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 114 | 0.02 | 0.34 | 0.00 | 5.39 | 0.00 | 0.00 | 0.24 | 5.99 |
| 80 | 4.26 | 55.34 | 0.00 | 3.59 | 0.01 | 0.00 | 0.24 | 63.45 | 115 | 0.37 | 7.67 | 0.05 | 1.02 | 0.01 | 0.00 | 0.24 | 9.35 |
| 81 | 18.87 | 18.87 | 6.56 | 371.50 | 0.04 | 0.11 | 0.25 | 416.18 | 116 | 7.28 | 7.28 | 0.00 | 1.73 | 0.00 | 0.11 | 0.30 | 16.70 |
| 82 | 75.75 | 56.81 | 0.00 | 0.10 | 0.02 | 0.00 | 0.24 | 132.93 | 117 | 0.22 | 4.70 | 0.64 | 0.00 | 0.00 | 0.00 | 0.24 | 5.80 |
| 83 | 1.42 | 1.42 | 0.87 | 1.02 | 0.02 | 0.00 | 0.24 | 5.00 | 118 | 9.69 | 9.69 | 1.61 | 2.54 | 0.01 | 0.00 | 0.30 | 23.85 |
| 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 119 | 8.60 | 8.60 | 0.00 | 0.26 | 0.01 | 0.00 | 0.25 | 17.72 |
| 85 | 0.56 | 0.56 | 0.00 | 0.36 | 0.00 | 0.00 | 0.24 | 1.71 | 120 | 6.40 | 38.40 | 0.00 | 0.00 | 0.02 | 0.00 | 0.24 | 45.05 |
| 86 | 0.07 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 1.70 | 121 | 0.48 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 1.20 |
| 87 | 15.63 | 15.63 | 1.10 | 0.13 | 0.00 | 0.00 | 0.24 | 32.73 | 122 | 0.00 | 0.00 | 0.00 | 15.80 | 0.01 | 0.00 | 0.24 | 16.05 |
| 88 | 16.83 | 16.83 | 1.34 | 0.67 | 0.00 | 0.00 | 0.25 | 35.92 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 89 | 17.05 | 17.05 | 0.00 | 0.84 | 0.01 | 0.00 | 0.51 | 35.46 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 90 | 9.46 | 18.93 | 0.63 | 0.89 | 0.07 | 0.00 | 0.24 | 30.22 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 91 | 48.33 | 12.08 | 0.63 | 3.31 | 0.09 | 0.00 | 0.24 | 64.67 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.24 | 0.28 |
| 92 | 11.99 | 11.99 | 0.00 | 39.26 | 0.19 | 0.00 | 0.24 | 63.67 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 128 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.31 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.24 | 0.25 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 132 | 0.37 | 0.37 | 0.00 | 0.00 | 0.01 | 0.00 | 0.24 | 1.00 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 133 | 0.04 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 1.17 |
| 99 | 0.32 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 1.51 | 134 | 30.28 | 2.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 32.85 |
| 100 | 0.04 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 5.85 | 135 | 0.12 | 2.43 | 0.23 | 0.00 | 0.00 | 0.00 | 0.24 | 3.02 |
| 101 | 0.01 | 1.07 | 0 | 0 | 0 | 0 | 0.24 | 1.32 | 136 | 15.68 | 15.68 | 1.85 | 1.05 | 0.03 | 0 | 0.24 | 34.54 |

8.12.5 To Shared 3W

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.24 | 0.02 | 0.00 | 0.00 | 0.26 | 34 | 0.04 | 0.88 | 0.00 | 0.10 | 0.01 | 0.00 | 0.00 | 1.03 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36 | 0.03 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38 | 4.54 | 4.54 | 0.04 | 1.19 | 0.08 | 0.00 | 0.00 | 10.39 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.02 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40 | 0.00 | 0.21 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.22 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43 | 0.05 | 2.96 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 3.02 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47 | 1.51 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 52 | 3.12 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54 | 0.12 | 2.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.61 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 0.22 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 56 | 2.99 | 0.66 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 3.66 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57 | 0.82 | 0.59 | 0.26 | 0.06 | 0.02 | 0.00 | 0.00 | 1.75 |
| 25 | 0.01 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 58 | 0.08 | 1.68 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 1.80 |
| 26 | 0.01 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 59 | 6.12 | 4.37 | 0.90 | 1.06 | 0.04 | 0.00 | 0.00 | 12.48 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60 | 10.41 | 10.41 | 0.00 | 0.00 | 0.03 | 0.00 | 0.14 | 21.00 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 61 | 5.89 | 2.10 | 0.01 | 1.14 | 0.00 | 0.00 | 0.00 | 9.14 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 0.01 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 0.02 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 65 | 0.74 | 1.48 | 6.43 | 0.00 | 0.04 | 0.00 | 0.00 | 8.69 |
| 33 | 7.14 | 1.70 | 3.92 | 0.15 | 0.03 | 0.00 | 0.00 | 12.94 | 66 | 16.19 | 5.78 | 32.75 | 0.41 | 0.04 | 0.00 | 0.00 | 55.19 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 67 | 2.13 | 2.13 | 0.05 | 0.32 | 0.00 | 0.00 | 0.00 | 4.65 | 102 | 1.50 | 4.27 | 0.00 | 0.00 | 0.01 | 0.00 | 0.03 | 5.80 |
| 68 | 5.95 | 8.50 | 0.00 | 0.01 | 0.02 | 0.00 | 0.00 | 14.47 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 |
| 69 | 0.29 | 2.87 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 3.17 | 104 | 2.99 | 2.84 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 5.84 |
| 70 | 0.77 | 0.73 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 1.50 | 105 | 2.96 | 2.12 | 0.00 | 0.44 | 0.06 | 0.00 | 0.00 | 5.58 |
| 71 | 0.04 | 1.61 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 1.65 | 106 | 0.01 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 |
| 72 | 0.16 | 3.22 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 3.40 | 107 | 1.31 | 1.31 | 0.03 | 0.03 | 0.01 | 0.03 | 0.00 | 2.72 |
| 73 | 0.08 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 108 | 1.71 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.42 |
| 74 | 5.66 | 2.42 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 8.10 | 109 | 62.43 | 31.21 | 4.00 | 3.75 | 0.23 | 0.00 | 0.06 | 101.69 |
| 75 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 110 | 44.24 | 5.27 | 0.05 | 0.12 | 0.07 | 0.00 | 0.00 | 49.74 |
| 76 | 0.10 | 0.96 | 3.92 | 0.00 | 0.00 | 0.00 | 0.00 | 4.98 | 111 | 4.58 | 4.58 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 9.28 |
| 77 | 7.00 | 18.00 | 0.00 | 0.33 | 0.02 | 0.00 | 0.00 | 25.35 | 112 | 9.06 | 2.16 | 0.00 | 1.32 | 0.10 | 0.00 | 0.00 | 12.64 |
| 78 | 6.07 | 4.33 | 8.28 | 0.02 | 0.05 | 0.00 | 0.00 | 18.75 | 113 | 3.31 | 2.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 114 | 0.02 | 0.24 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.38 |
| 80 | 4.26 | 15.81 | 0.00 | 0.17 | 0.03 | 0.00 | 0.00 | 20.27 | 115 | 0.37 | 7.67 | 0.05 | 0.05 | 0.06 | 0.00 | 0.00 | 8.19 |
| 81 | 18.87 | 18.87 | 6.56 | 8.26 | 0.04 | 0.11 | 0.00 | 52.69 | 116 | 7.28 | 7.28 | 0.00 | 0.82 | 0.01 | 0.11 | 0.03 | 15.54 |
| 82 | 75.75 | 16.23 | 0.00 | 0.05 | 0.12 | 0.00 | 0.00 | 92.15 | 117 | 0.22 | 4.70 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 5.56 |
| 83 | 1.42 | 1.02 | 0.87 | 0.05 | 0.11 | 0.00 | 0.00 | 3.47 | 118 | 9.69 | 9.69 | 1.61 | 0.12 | 0.01 | 0.00 | 0.03 | 21.16 |
| 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 119 | 8.60 | 8.60 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 17.23 |
| 85 | 0.56 | 0.56 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 1.13 | 120 | 6.40 | 18.28 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 24.69 |
| 86 | 0.07 | 1.39 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 1.47 | 121 | 0.48 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.82 |
| 87 | 15.63 | 11.16 | 1.10 | 0.13 | 0.01 | 0.00 | 0.00 | 28.03 | 122 | 0.00 | 0.00 | 0.00 | 0.35 | 0.04 | 0.00 | 0.00 | 0.39 |
| 88 | 16.83 | 12.02 | 1.34 | 0.03 | 0.02 | 0.00 | 0.01 | 30.25 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 17.05 | 17.05 | 0.00 | 0.04 | 0.07 | 0.00 | 0.17 | 34.38 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 9.46 | 9.01 | 0.63 | 0.64 | 0.07 | 0.00 | 0.00 | 19.81 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 48.33 | 8.63 | 0.63 | 0.16 | 0.03 | 0.00 | 0.00 | 57.77 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 |
| 92 | 11.99 | 5.71 | 0.00 | 0.65 | 0.06 | 0.00 | 0.00 | 18.41 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 128 | 0.00 | 0.05 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.06 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.03 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.04 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132 | 0.37 | 0.27 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.71 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 133 | 0.04 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 |
| 99 | 0.32 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.77 | 134 | 30.28 | 2.33 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 32.62 |
| 100 | 0.04 | 1.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.64 | 135 | 0.12 | 2.43 | 0.23 | 0.00 | 0.04 | 0.00 | 0.00 | 2.81 |
| 101 | 0.01 | 0.51 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.53 | 136 | 15.68 | 15.68 | 1.85 | 0.30 | 0.01 | 0.00 | 0.00 | 33.53 |

8.12.6 To E-Rickshaw

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.24 | 0.02 | 0.00 | 0.00 | 0.26 | 34 | 0.04 | 0.88 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.03 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36 | 0.03 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38 | 4.54 | 4.54 | 0.04 | 1.67 | 0.01 | 0.00 | 0.00 | 10.81 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43 | 0.05 | 4.93 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 4.99 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47 | 1.51 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.23 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 52 | 3.12 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.47 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54 | 0.12 | 3.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.85 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 23 | 0.22 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 56 | 2.99 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.65 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57 | 0.82 | 0.59 | 0.26 | 0.06 | 0.00 | 0.00 | 0.00 | 1.73 |
| 25 | 0.01 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 58 | 0.08 | 1.68 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 1.80 |
| 26 | 0.01 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 59 | 6.12 | 6.12 | 0.90 | 1.59 | 0.04 | 0.00 | 0.00 | 14.76 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60 | 10.41 | 10.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 20.97 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 61 | 5.89 | 2.94 | 0.01 | 1.71 | 0.00 | 0.00 | 0.00 | 10.55 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 0.01 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 0.02 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 65 | 0.74 | 1.48 | 6.43 | 0.00 | 0.04 | 0.00 | 0.00 | 8.69 |
| 33 | 7.14 | 2.38 | 3.92 | 0.15 | 0.00 | 0.00 | 0.00 | 13.60 | 66 | 16.19 | 8.10 | 32.75 | 0.83 | 0.04 | 0.00 | 0.00 | 57.92 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 67 | 2.13 | 2.13 | 0.05 | 0.54 | 0.00 | 0.00 | 0.00 | 4.86 | 102 | 1.50 | 6.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 7.94 |
| 68 | 5.95 | 8.50 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 14.45 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 0.29 | 4.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.60 | 104 | 2.99 | 4.27 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 7.27 |
| 70 | 0.77 | 1.09 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 1.87 | 105 | 2.96 | 2.96 | 0.00 | 0.44 | 0.01 | 0.00 | 0.00 | 6.37 |
| 71 | 0.04 | 2.41 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 2.46 | 106 | 0.01 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 |
| 72 | 0.16 | 4.83 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 5.01 | 107 | 1.31 | 1.31 | 0.03 | 0.03 | 0.00 | 0.01 | 0.00 | 2.69 |
| 73 | 0.08 | 3.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.62 | 108 | 1.71 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.42 |
| 74 | 5.66 | 6.06 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 11.73 | 109 | 62.43 | 31.21 | 4.00 | 3.75 | 0.04 | 0.00 | 0.06 | 101.50 |
| 75 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 110 | 44.24 | 7.37 | 0.05 | 0.55 | 0.01 | 0.00 | 0.00 | 52.22 |
| 76 | 0.10 | 1.43 | 3.92 | 0.00 | 0.00 | 0.00 | 0.00 | 5.45 | 111 | 4.58 | 4.58 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 9.18 |
| 77 | 7.00 | 30.00 | 0.00 | 0.33 | 0.02 | 0.00 | 0.00 | 37.36 | 112 | 9.06 | 3.24 | 0.00 | 2.20 | 0.02 | 0.00 | 0.00 | 14.51 |
| 78 | 6.07 | 6.07 | 8.28 | 0.02 | 0.02 | 0.00 | 0.00 | 20.45 | 113 | 3.31 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.63 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 114 | 0.02 | 0.34 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.48 |
| 80 | 4.26 | 26.35 | 0.00 | 0.17 | 0.03 | 0.00 | 0.00 | 30.81 | 115 | 0.37 | 7.67 | 0.05 | 0.05 | 0.01 | 0.00 | 0.00 | 8.14 |
| 81 | 18.87 | 18.87 | 6.56 | 8.26 | 0.01 | 0.11 | 0.00 | 52.67 | 116 | 7.28 | 7.28 | 0.00 | 0.82 | 0.00 | 0.11 | 0.03 | 15.54 |
| 82 | 75.75 | 40.58 | 0.00 | 0.07 | 0.02 | 0.00 | 0.00 | 116.43 | 117 | 0.22 | 4.70 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 5.56 |
| 83 | 1.42 | 1.42 | 0.87 | 0.05 | 0.02 | 0.00 | 0.00 | 3.78 | 118 | 9.69 | 9.69 | 1.61 | 0.12 | 0.01 | 0.00 | 0.03 | 21.16 |
| 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 119 | 8.60 | 8.60 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 17.22 |
| 85 | 0.56 | 0.56 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 1.16 | 120 | 6.40 | 27.43 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 33.83 |
| 86 | 0.07 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 121 | 0.48 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 |
| 87 | 15.63 | 15.63 | 1.10 | 0.77 | 0.00 | 0.00 | 0.00 | 33.13 | 122 | 0.00 | 0.00 | 0.00 | 0.35 | 0.01 | 0.00 | 0.00 | 0.37 |
| 88 | 16.83 | 16.83 | 1.34 | 0.19 | 0.01 | 0.00 | 0.01 | 35.21 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 17.05 | 17.05 | 0.00 | 0.24 | 0.01 | 0.00 | 0.17 | 34.51 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 9.46 | 13.52 | 0.63 | 0.64 | 0.02 | 0.00 | 0.00 | 24.27 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 48.33 | 12.08 | 0.63 | 0.16 | 0.03 | 0.00 | 0.00 | 61.22 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.04 |
| 92 | 11.99 | 8.56 | 0.00 | 0.65 | 0.06 | 0.00 | 0.00 | 21.27 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 128 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132 | 0.37 | 0.37 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.76 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 133 | 0.04 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 |
| 99 | 0.32 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 134 | 30.28 | 2.33 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 32.62 |
| 100 | 0.04 | 3.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 135 | 0.12 | 2.43 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 2.78 |
| 101 | 0.01 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 136 | 15.68 | 15.68 | 1.85 | 0.50 | 0.01 | 0.00 | 0.00 | 33.73 |

8.13 Zonewise expected shift to each feeder mode-2028

8.13.1 To Feeder Walk

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 6.22 | 0.28 | 0.00 | 0.00 | 7.00 | 34 | 0.00 | 2.92 | 0.00 | 2.57 | 0.02 | 0.00 | 0.00 | 6.00 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35 | 0.00 | 0.09 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36 | 0.04 | 1.23 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 1.00 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37 | 0.01 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38 | 2.82 | 5.60 | 0.05 | 20.60 | 0.16 | 0.00 | 0.00 | 29.00 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40 | 0.00 | 0.26 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42 | 0.00 | 0.00 | 3.75 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43 | 0.00 | 12.78 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 13.00 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 0.63 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 1.00 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47 | 2.53 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 52 | 20.53 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.00 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54 | 0.00 | 6.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.00 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 0.57 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 56 | 1.25 | 1.14 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 2.00 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57 | 0.95 | 1.02 | 0.32 | 1.47 | 0.05 | 0.00 | 0.00 | 4.00 |
| 25 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 58 | 0.00 | 2.08 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 2.00 |
| 26 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 59 | 0.41 | 7.55 | 1.11 | 2.74 | 0.08 | 0.00 | 0.00 | 12.00 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60 | 2.74 | 12.85 | 0.00 | 0.00 | 0.06 | 0.00 | 3.57 | 19.00 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 61 | 0.98 | 9.47 | 0.01 | 2.98 | 0.00 | 0.01 | 0.00 | 13.00 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62 | 0.04 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 63 | 0.04 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 64 | 0.04 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 65 | 0.45 | 13.51 | 7.93 | 0.00 | 0.03 | 0.00 | 0.00 | 22.00 |
| 33 | 2.75 | 6.61 | 4.84 | 4.11 | 0.06 | 0.00 | 0.00 | 18.00 | 66 | 2.06 | 9.99 | 40.41 | 3.57 | 0.03 | 0.00 | 0.00 | 56.00 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 67 | 0.37 | 2.63 | 0.07 | 1.40 | 0.00 | 0.00 | 0.00 | 4.00 | 102 | 1.71 | 11.07 | 0.00 | 0.00 | 0.01 | 0.00 | 0.04 | 13.00 |
| 68 | 0.00 | 14.68 | 0.00 | 0.21 | 0.03 | 0.00 | 0.00 | 15.00 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 |
| 69 | 0.00 | 7.45 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 7.00 | 104 | 6.71 | 7.37 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 14.00 |
| 70 | 1.42 | 1.89 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 3.00 | 105 | 1.51 | 3.66 | 0.00 | 11.30 | 0.13 | 0.00 | 0.00 | 17.00 |
| 71 | 0.00 | 4.16 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 4.00 | 106 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 0.00 | 8.35 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 9.00 | 107 | 0.55 | 1.62 | 0.04 | 0.71 | 0.01 | 0.01 | 0.00 | 3.00 |
| 73 | 0.00 | 6.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.00 | 108 | 0.73 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 |
| 74 | 6.99 | 10.47 | 0.00 | 0.20 | 0.04 | 0.00 | 0.00 | 18.00 | 109 | 32.08 | 38.51 | 4.93 | 97.27 | 0.50 | 0.00 | 1.62 | 175.00 |
| 75 | 0.00 | 0.00 | 0.00 | 0.54 | 0.01 | 0.00 | 0.00 | 1.00 | 110 | 6.92 | 9.10 | 0.06 | 3.15 | 0.15 | 0.00 | 0.00 | 19.00 |
| 76 | 0.00 | 2.47 | 4.84 | 0.00 | 0.00 | 0.00 | 0.00 | 7.00 | 111 | 3.02 | 5.65 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 9.00 |
| 77 | 12.37 | 77.74 | 0.00 | 8.52 | 0.30 | 0.00 | 0.00 | 99.00 | 112 | 0.68 | 5.59 | 0.00 | 5.71 | 0.23 | 0.00 | 0.00 | 12.00 |
| 78 | 2.10 | 7.49 | 10.22 | 0.43 | 0.21 | 0.00 | 0.00 | 20.00 | 113 | 0.65 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 114 | 0.00 | 0.42 | 0.00 | 3.11 | 0.00 | 0.00 | 0.00 | 4.00 |
| 80 | 2.46 | 68.29 | 0.00 | 4.43 | 0.17 | 0.00 | 0.00 | 75.00 | 115 | 0.00 | 9.46 | 0.06 | 1.26 | 0.12 | 0.00 | 0.00 | 11.00 |
| 81 | 3.23 | 23.28 | 8.09 | 213.91 | 0.15 | 0.13 | 0.09 | 249.00 | 116 | 5.31 | 8.99 | 0.00 | 2.14 | 0.01 | 0.13 | 0.04 | 17.00 |
| 82 | 2.76 | 70.10 | 0.00 | 0.13 | 0.26 | 0.00 | 0.00 | 73.00 | 117 | 0.00 | 5.80 | 0.79 | 0.00 | 0.00 | 0.00 | 0.00 | 7.00 |
| 83 | 1.18 | 2.21 | 1.07 | 1.54 | 0.25 | 0.00 | 0.00 | 6.00 | 118 | 7.20 | 11.96 | 1.98 | 3.14 | 0.01 | 0.00 | 0.64 | 25.00 |
| 84 | 0.04 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 119 | 4.56 | 10.61 | 0.00 | 0.32 | 0.05 | 0.00 | 0.01 | 16.00 |
| 85 | 1.63 | 0.68 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.00 | 120 | 2.93 | 47.38 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 50.00 |
| 86 | 0.00 | 1.72 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 2.00 | 121 | 0.07 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 |
| 87 | 2.03 | 19.28 | 1.36 | 1.59 | 0.03 | 0.00 | 0.00 | 24.00 | 122 | 1.34 | 0.00 | 0.00 | 9.10 | 0.19 | 0.00 | 0.00 | 11.00 |
| 88 | 5.08 | 20.76 | 16.54 | 0.83 | 0.02 | 0.00 | 0.15 | 43.00 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 5.45 | 21.04 | 0.00 | 1.04 | 0.09 | 0.00 | 0.20 | 28.00 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 1.26 | 23.36 | 0.77 | 1.10 | 0.29 | 0.00 | 0.00 | 27.00 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 4.76 | 14.91 | 0.77 | 4.08 | 0.37 | 0.00 | 0.00 | 25.00 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 |
| 92 | 1.17 | 14.79 | 0.00 | 16.96 | 0.81 | 0.00 | 0.00 | 34.00 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 128 | 0.00 | 0.09 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132 | 0.37 | 0.46 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 1.00 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 133 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 |
| 99 | 1.13 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 134 | 20.53 | 2.87 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 23.00 |
| 100 | 0.00 | 6.86 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 7.00 | 135 | 0.00 | 3.00 | 0.28 | 0.00 | 0.05 | 0.00 | 0.00 | 3.00 |
| 101 | 0.00 | 1.32 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 1.00 | 136 | 2.06 | 19.35 | 2.29 | 1.30 | 0.11 | 0.00 | 0.00 | 25.00 |

8.13.2 To Feeder Bicycle Sharing

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 37.35 | 1.68 | 0.00 | 0.00 | 39.02 | 34 | 0.14 | 2.92 | 0.00 | 15.44 | 0.24 | 0.00 | 0.00 | 18.75 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35 | 0.09 | 0.09 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.34 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36 | 0.06 | 1.23 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 1.29 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37 | 0.28 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38 | 5.60 | 5.60 | 0.05 | 12.36 | 1.63 | 0.00 | 0.00 | 25.25 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.50 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40 | 0.01 | 0.26 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.48 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42 | 0.00 | 0.00 | 3.75 | 0.00 | 0.00 | 0.00 | 0.00 | 3.75 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43 | 0.07 | 12.78 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 13.24 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.36 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47 | 1.86 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.73 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.17 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 52 | 3.85 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.45 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.06 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54 | 0.15 | 6.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.59 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55 | 0.00 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 0.46 |
| 23 | 0.27 | 0.27 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.55 | 56 | 3.69 | 1.14 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 4.94 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57 | 1.02 | 1.02 | 0.32 | 8.81 | 0.68 | 0.00 | 0.00 | 11.84 |
| 25 | 0.01 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 58 | 0.10 | 2.08 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 2.38 |
| 26 | 0.02 | 0.32 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.34 | 59 | 7.55 | 7.55 | 1.11 | 8.23 | 0.04 | 0.00 | 0.00 | 24.48 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60 | 12.85 | 12.85 | 0.00 | 0.00 | 0.61 | 0.00 | 3.57 | 29.89 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.07 | 61 | 18.95 | 9.47 | 0.01 | 8.93 | 0.00 | 0.01 | 0.00 | 37.37 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 |
| 30 | 0.02 | 0.32 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.35 | 63 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 64 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 |
| 32 | 0.02 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 | 65 | 6.76 | 13.51 | 7.93 | 0.00 | 0.03 | 0.00 | 0.00 | 28.23 |
| 33 | 19.82 | 6.61 | 4.84 | 12.32 | 0.61 | 0.00 | 0.00 | 44.20 | 66 | 19.98 | 9.99 | 40.41 | 21.44 | 0.03 | 0.00 | 0.00 | 91.86 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 67 | 2.63 | 2.63 | 0.07 | 1.40 | 0.00 | 0.00 | 0.00 | 6.73 | 102 | 1.84 | 11.07 | 0.00 | 0.00 | 0.19 | 0.00 | 0.39 | 13.50 |
| 68 | 7.34 | 14.68 | 0.00 | 1.24 | 0.42 | 0.00 | 0.00 | 23.67 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.27 |
| 69 | 0.35 | 7.45 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 7.98 | 104 | 3.68 | 7.37 | 0.00 | 0.00 | 1.17 | 0.00 | 0.00 | 12.22 |
| 70 | 0.94 | 1.89 | 0.00 | 0.00 | 0.64 | 0.00 | 0.00 | 3.47 | 105 | 3.66 | 3.66 | 0.00 | 67.83 | 1.30 | 0.00 | 0.00 | 76.44 |
| 71 | 0.05 | 4.16 | 0.00 | 0.00 | 0.56 | 0.00 | 0.00 | 4.76 | 106 | 0.02 | 0.33 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.37 |
| 72 | 0.20 | 8.35 | 0.00 | 0.00 | 1.58 | 0.00 | 0.00 | 10.13 | 107 | 1.62 | 1.62 | 0.04 | 2.12 | 0.16 | 0.06 | 0.00 | 5.62 |
| 73 | 0.10 | 6.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.21 | 108 | 2.11 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.22 |
| 74 | 6.98 | 10.47 | 0.00 | 1.18 | 0.22 | 0.00 | 0.00 | 18.85 | 109 | 77.03 | 38.51 | 4.93 | 583.64 | 4.98 | 0.00 | 1.16 | 710.26 |
| 75 | 0.00 | 0.00 | 0.00 | 1.61 | 0.06 | 0.00 | 0.00 | 1.66 | 110 | 54.58 | 9.10 | 0.06 | 1.89 | 1.48 | 0.00 | 0.00 | 67.11 |
| 76 | 0.12 | 2.47 | 4.84 | 0.00 | 0.01 | 0.00 | 0.00 | 7.44 | 111 | 5.65 | 5.65 | 0.00 | 0.00 | 2.81 | 0.00 | 0.00 | 14.10 |
| 77 | 8.64 | 77.74 | 0.00 | 25.55 | 1.79 | 0.00 | 0.00 | 113.72 | 112 | 11.18 | 5.59 | 0.00 | 5.71 | 2.26 | 0.00 | 0.00 | 24.73 |
| 78 | 7.49 | 7.49 | 10.22 | 2.58 | 1.26 | 0.00 | 0.00 | 29.03 | 113 | 4.09 | 4.09 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 8.20 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 114 | 0.02 | 0.42 | 0.00 | 18.63 | 0.00 | 0.00 | 0.00 | 19.07 |
| 80 | 5.25 | 68.29 | 0.00 | 13.29 | 0.17 | 0.00 | 0.00 | 87.00 | 115 | 0.45 | 9.46 | 0.06 | 12.56 | 1.24 | 0.00 | 0.00 | 23.77 |
| 81 | 23.28 | 23.28 | 8.09 | 641.73 | 0.92 | 0.13 | 0.06 | 697.50 | 116 | 8.99 | 8.99 | 0.00 | 12.82 | 0.12 | 0.13 | 0.43 | 31.47 |
| 82 | 93.47 | 70.10 | 0.00 | 0.38 | 2.58 | 0.00 | 0.00 | 166.52 | 117 | 0.28 | 5.80 | 0.79 | 0.00 | 0.00 | 0.00 | 0.00 | 6.86 |
| 83 | 2.21 | 2.21 | 1.07 | 4.62 | 2.46 | 0.00 | 0.00 | 12.57 | 118 | 11.96 | 11.96 | 1.98 | 18.84 | 0.01 | 0.00 | 0.43 | 45.18 |
| 84 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 | 119 | 10.61 | 10.61 | 0.00 | 1.92 | 0.29 | 0.00 | 0.05 | 23.48 |
| 85 | 0.68 | 0.68 | 0.00 | 2.67 | 0.00 | 0.00 | 0.00 | 4.04 | 120 | 7.90 | 47.38 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 55.73 |
| 86 | 0.08 | 1.72 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 2.10 | 121 | 0.59 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.18 |
| 87 | 19.28 | 19.28 | 1.36 | 0.95 | 0.28 | 0.00 | 0.00 | 41.16 | 122 | 0.00 | 0.00 | 0.00 | 54.59 | 1.11 | 0.00 | 0.00 | 55.70 |
| 88 | 20.76 | 20.76 | 1.65 | 0.83 | 0.37 | 0.00 | 0.11 | 44.48 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 21.04 | 21.04 | 0.00 | 3.11 | 1.36 | 0.00 | 0.61 | 47.16 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 11.68 | 23.36 | 0.77 | 3.31 | 1.74 | 0.00 | 0.00 | 40.86 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 59.63 | 14.91 | 0.77 | 12.25 | 2.23 | 0.00 | 0.00 | 89.78 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 2.97 | 0.00 | 0.00 | 2.97 |
| 92 | 14.79 | 14.79 | 0.00 | 101.74 | 4.84 | 0.00 | 0.00 | 136.17 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 | 128 | 0.00 | 0.09 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.23 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.00 | 0.60 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.53 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132 | 0.46 | 0.46 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 1.76 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 133 | 0.05 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.15 |
| 99 | 0.39 | 1.18 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 1.60 | 134 | 37.37 | 2.87 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 40.45 |
| 100 | 0.05 | 6.86 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 7.01 | 135 | 0.14 | 3.00 | 0.28 | 0.00 | 0.69 | 0.00 | 0.00 | 4.11 |
| 101 | 0.01 | 1.32 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 1.46 | 136 | 19.35 | 19.35 | 2.29 | 3.90 | 0.65 | 0.00 | 0.00 | 45.55 |

8.13.3 To RMTS Bus

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 2.96 | 0.03 | 0.00 | 0.00 | 2.99 | 34 | 0.14 | 2.92 | 0.00 | 1.84 | 0.00 | 0.00 | 0.00 | 4.90 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35 | 0.09 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36 | 0.06 | 1.23 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 1.30 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37 | 0.28 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38 | 5.60 | 5.60 | 0.05 | 2.06 | 0.02 | 0.00 | 0.00 | 13.33 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40 | 0.01 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42 | 0.00 | 0.00 | 3.75 | 0.00 | 0.00 | 0.00 | 0.00 | 3.75 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43 | 0.07 | 12.78 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 12.85 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47 | 1.86 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.73 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 52 | 3.85 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.45 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54 | 0.15 | 6.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.59 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.04 |
| 23 | 0.27 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 56 | 3.69 | 1.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.83 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57 | 1.02 | 1.02 | 0.32 | 0.70 | 0.00 | 0.00 | 0.00 | 3.06 |
| 25 | 0.01 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 58 | 0.10 | 2.08 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 2.18 |
| 26 | 0.02 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 59 | 7.55 | 7.55 | 1.11 | 2.74 | 0.01 | 0.00 | 0.00 | 18.96 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60 | 12.85 | 12.85 | 0.00 | 0.00 | 0.01 | 0.00 | 1.02 | 26.73 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 61 | 18.95 | 9.47 | 0.01 | 2.98 | 0.00 | 0.01 | 0.00 | 31.42 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 |
| 30 | 0.02 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 63 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 64 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 |
| 32 | 0.02 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 | 65 | 6.76 | 13.51 | 7.93 | 0.00 | 0.06 | 0.00 | 0.00 | 28.26 |
| 33 | 19.82 | 6.61 | 4.84 | 4.11 | 0.01 | 0.00 | 0.00 | 35.38 | 66 | 19.98 | 9.99 | 40.41 | 3.57 | 0.05 | 0.00 | 0.00 | 74.02 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 67 | 2.63 | 2.63 | 0.07 | 1.40 | 0.00 | 0.00 | 0.00 | 6.73 | 102 | 1.84 | 11.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 12.95 |
| 68 | 7.34 | 14.68 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 22.16 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 0.35 | 7.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.81 | 104 | 3.68 | 7.37 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 11.07 |
| 70 | 0.94 | 1.89 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 2.84 | 105 | 3.66 | 3.66 | 0.00 | 8.07 | 0.01 | 0.00 | 0.00 | 15.40 |
| 71 | 0.05 | 4.16 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 4.22 | 106 | 0.02 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 |
| 72 | 0.20 | 8.35 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 8.57 | 107 | 1.62 | 1.62 | 0.04 | 0.71 | 0.00 | 0.01 | 0.00 | 3.99 |
| 73 | 0.10 | 6.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.21 | 108 | 2.11 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.22 |
| 74 | 6.98 | 10.47 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 17.59 | 109 | 77.03 | 38.51 | 4.93 | 46.32 | 0.05 | 0.00 | 0.08 | 166.92 |
| 75 | 0.00 | 0.00 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 0.54 | 110 | 54.58 | 9.10 | 0.06 | 0.23 | 0.01 | 0.00 | 0.00 | 63.98 |
| 76 | 0.12 | 2.47 | 4.84 | 0.00 | 0.00 | 0.00 | 0.00 | 7.44 | 111 | 5.65 | 5.65 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 11.32 |
| 77 | 8.64 | 77.74 | 0.00 | 8.52 | 0.03 | 0.00 | 0.00 | 94.92 | 112 | 11.18 | 5.59 | 0.00 | 5.71 | 0.02 | 0.00 | 0.00 | 22.50 |
| 78 | 7.49 | 7.49 | 10.22 | 0.31 | 0.02 | 0.00 | 0.00 | 25.52 | 113 | 4.09 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.18 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 114 | 0.02 | 0.42 | 0.00 | 2.22 | 0.00 | 0.00 | 0.00 | 2.66 |
| 80 | 5.25 | 68.29 | 0.00 | 4.43 | 0.01 | 0.00 | 0.00 | 77.98 | 115 | 0.45 | 9.46 | 0.06 | 1.26 | 0.01 | 0.00 | 0.00 | 11.24 |
| 81 | 23.28 | 23.28 | 8.09 | 152.79 | 0.01 | 0.13 | 0.00 | 207.60 | 116 | 8.99 | 8.99 | 0.00 | 2.14 | 0.00 | 0.13 | 0.04 | 20.29 |
| 82 | 93.47 | 70.10 | 0.00 | 0.13 | 0.02 | 0.00 | 0.00 | 163.72 | 117 | 0.28 | 5.80 | 0.79 | 0.00 | 0.00 | 0.00 | 0.00 | 6.86 |
| 83 | 2.21 | 2.21 | 1.07 | 1.10 | 0.02 | 0.00 | 0.00 | 6.61 | 118 | 11.96 | 11.96 | 1.98 | 2.24 | 0.02 | 0.00 | 0.04 | 28.21 |
| 84 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 | 119 | 10.61 | 10.61 | 0.00 | 0.32 | 0.00 | 0.00 | 0.01 | 21.55 |
| 85 | 0.68 | 0.68 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 1.69 | 120 | 7.90 | 47.38 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 55.28 |
| 86 | 0.08 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 121 | 0.59 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.18 |
| 87 | 19.28 | 19.28 | 1.36 | 0.16 | 0.00 | 0.00 | 0.00 | 40.09 | 122 | 0.00 | 0.00 | 0.00 | 6.50 | 0.02 | 0.00 | 0.00 | 6.52 |
| 88 | 20.76 | 20.76 | 1.65 | 0.83 | 0.00 | 0.00 | 0.01 | 44.02 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 21.04 | 21.04 | 0.00 | 1.04 | 0.01 | 0.00 | 0.20 | 43.33 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 11.68 | 23.36 | 0.77 | 1.10 | 0.03 | 0.00 | 0.00 | 36.94 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 59.63 | 14.91 | 0.77 | 4.08 | 0.04 | 0.00 | 0.00 | 79.43 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.05 |
| 92 | 14.79 | 14.79 | 0.00 | 48.45 | 0.08 | 0.00 | 0.00 | 78.11 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 128 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132 | 0.46 | 0.46 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.94 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 133 | 0.05 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.15 |
| 99 | 0.39 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.57 | 134 | 37.37 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.24 |
| 100 | 0.05 | 6.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.92 | 135 | 0.14 | 3.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 3.43 |
| 101 | 0.01 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 136 | 19.35 | 19.35 | 2.29 | 1.30 | 0.01 | 0.00 | 0.00 | 42.31 |

8.13.4 To RMTS - Hybrid BRT

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 17.78 | 0.03 | 0.00 | 0.53 | 18.34 | 34 | 0.14 | 2.92 | 0.00 | 1.84 | 0.00 | 0.00 | 0.53 | 5.43 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 35 | 0.09 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.71 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 36 | 0.06 | 1.23 | 0.00 | 0.01 | 0.00 | 0.00 | 0.53 | 1.83 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 37 | 0.28 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 1.09 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 38 | 5.60 | 5.60 | 0.05 | 2.06 | 0.02 | 0.00 | 0.53 | 13.86 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.53 | 0.54 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 40 | 0.01 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.79 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 42 | 0.00 | 0.00 | 3.75 | 0.00 | 0.00 | 0.00 | 0.53 | 4.28 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 43 | 0.07 | 12.78 | 0.00 | 0.00 | 0.02 | 0.00 | 0.53 | 13.40 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.53 | 0.54 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 47 | 1.86 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 4.26 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 52 | 3.85 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 4.98 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 54 | 0.15 | 6.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 7.12 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 55 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.53 | 0.57 |
| 23 | 0.27 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 1.08 | 56 | 3.69 | 1.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 5.36 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 57 | 1.02 | 1.02 | 0.32 | 6.29 | 0.00 | 0.00 | 0.53 | 9.18 |
| 25 | 0.01 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.78 | 58 | 0.10 | 2.08 | 0.00 | 0.00 | 0.02 | 0.00 | 0.53 | 2.73 |
| 26 | 0.02 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.87 | 59 | 7.55 | 7.55 | 1.11 | 2.74 | 0.02 | 0.00 | 0.53 | 19.51 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 60 | 12.85 | 12.85 | 0.00 | 0.00 | 0.01 | 0.00 | 1.87 | 27.57 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 61 | 18.95 | 9.47 | 0.01 | 2.98 | 0.00 | 0.01 | 0.53 | 31.95 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 62 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.53 | 0.58 |
| 30 | 0.02 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.86 | 63 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.53 | 0.58 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 64 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.53 | 0.58 |
| 32 | 0.02 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 1.07 | 65 | 6.76 | 13.51 | 7.93 | 0.00 | 0.06 | 0.00 | 0.53 | 28.79 |
| 33 | 19.82 | 6.61 | 4.84 | 4.11 | 0.01 | 0.00 | 0.53 | 35.91 | 66 | 19.98 | 9.99 | 40.41 | 3.57 | 0.05 | 0.00 | 0.53 | 74.55 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 67 | 2.63 | 2.63 | 0.07 | 1.40 | 0.00 | 0.00 | 0.53 | 7.26 | 102 | 1.84 | 11.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 13.50 |
| 68 | 7.34 | 14.68 | 0.00 | 0.21 | 0.00 | 0.00 | 0.53 | 22.75 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.53 | 0.54 |
| 69 | 0.35 | 7.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 8.34 | 104 | 3.68 | 7.37 | 0.00 | 0.00 | 0.06 | 0.00 | 0.53 | 11.64 |
| 70 | 0.94 | 1.89 | 0.00 | 0.00 | 0.03 | 0.00 | 0.53 | 3.39 | 105 | 3.66 | 3.66 | 0.00 | 8.07 | 0.01 | 0.00 | 0.53 | 15.93 |
| 71 | 0.05 | 4.16 | 0.00 | 0.00 | 0.03 | 0.00 | 0.53 | 4.77 | 106 | 0.02 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.88 |
| 72 | 0.20 | 8.35 | 0.00 | 0.00 | 0.08 | 0.00 | 0.53 | 9.15 | 107 | 1.62 | 1.62 | 0.04 | 0.71 | 0.00 | 0.06 | 0.53 | 4.58 |
| 73 | 0.10 | 6.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 6.74 | 108 | 2.11 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 4.75 |
| 74 | 6.98 | 10.47 | 0.00 | 0.59 | 0.00 | 0.00 | 0.53 | 18.57 | 109 | 77.03 | 38.51 | 4.93 | 416.88 | 0.05 | 0.00 | 1.14 | 538.55 |
| 75 | 0.00 | 0.00 | 0.00 | 0.54 | 0.00 | 0.00 | 0.53 | 1.07 | 110 | 54.58 | 9.10 | 0.06 | 0.32 | 0.01 | 0.00 | 0.53 | 64.60 |
| 76 | 0.12 | 2.47 | 4.84 | 0.00 | 0.00 | 0.00 | 0.53 | 7.97 | 111 | 5.65 | 5.65 | 0.00 | 0.00 | 0.03 | 0.00 | 0.53 | 11.85 |
| 77 | 8.64 | 77.74 | 0.00 | 8.52 | 0.09 | 0.00 | 0.53 | 95.51 | 112 | 11.18 | 5.59 | 0.00 | 5.71 | 0.02 | 0.00 | 0.53 | 23.03 |
| 78 | 7.49 | 7.49 | 10.22 | 0.43 | 0.06 | 0.00 | 0.53 | 26.21 | 113 | 4.09 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 8.71 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 114 | 0.02 | 0.42 | 0.00 | 6.65 | 0.00 | 0.00 | 0.53 | 7.62 |
| 80 | 5.25 | 68.29 | 0.00 | 4.43 | 0.02 | 0.00 | 0.53 | 78.52 | 115 | 0.45 | 9.46 | 0.06 | 1.26 | 0.01 | 0.00 | 0.53 | 11.77 |
| 81 | 23.28 | 23.28 | 8.09 | 458.38 | 0.04 | 0.13 | 0.56 | 513.77 | 116 | 8.99 | 8.99 | 0.00 | 2.14 | 0.00 | 0.13 | 0.59 | 20.83 |
| 82 | 93.47 | 70.10 | 0.00 | 0.13 | 0.02 | 0.00 | 0.53 | 164.25 | 117 | 0.28 | 5.80 | 0.79 | 0.00 | 0.00 | 0.00 | 0.53 | 7.39 |
| 83 | 2.21 | 2.21 | 1.07 | 1.54 | 0.02 | 0.00 | 0.53 | 7.58 | 118 | 11.96 | 11.96 | 1.98 | 3.14 | 0.02 | 0.00 | 0.70 | 29.76 |
| 84 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.53 | 0.58 | 119 | 10.61 | 10.61 | 0.00 | 0.32 | 0.01 | 0.00 | 0.54 | 22.09 |
| 85 | 0.68 | 0.68 | 0.00 | 0.44 | 0.00 | 0.00 | 0.53 | 2.34 | 120 | 7.90 | 47.38 | 0.00 | 0.00 | 0.02 | 0.00 | 0.53 | 55.82 |
| 86 | 0.08 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 2.33 | 121 | 0.59 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 1.71 |
| 87 | 19.28 | 19.28 | 1.36 | 0.16 | 0.00 | 0.00 | 0.53 | 40.62 | 122 | 0.00 | 0.00 | 0.00 | 19.50 | 0.02 | 0.00 | 0.53 | 20.04 |
| 88 | 20.76 | 20.76 | 1.65 | 0.83 | 0.00 | 0.00 | 0.59 | 44.60 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| 89 | 21.04 | 21.04 | 0.00 | 1.04 | 0.01 | 0.00 | 0.80 | 43.92 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| 90 | 11.68 | 23.36 | 0.77 | 1.10 | 0.08 | 0.00 | 0.53 | 37.52 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| 91 | 59.63 | 14.91 | 0.77 | 4.08 | 0.11 | 0.00 | 0.53 | 80.03 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.53 | 0.58 |
| 92 | 14.79 | 14.79 | 0.00 | 48.45 | 0.23 | 0.00 | 0.53 | 78.79 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 128 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.62 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.53 | 0.54 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.53 | 0.54 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 132 | 0.46 | 0.46 | 0.00 | 0.00 | 0.01 | 0.00 | 0.53 | 1.47 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 133 | 0.05 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 1.68 |
| 99 | 0.39 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 2.10 | 134 | 37.37 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 40.77 |
| 100 | 0.05 | 6.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 7.45 | 135 | 0.14 | 3.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.96 |
| 101 | 0.01 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 1.87 | 136 | 19.35 | 19.35 | 2.29 | 1.30 | 0.03 | 0.00 | 0.53 | 42.86 |

8.13.5 To Shared 3W

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.30 | 0.03 | 0.00 | 0.00 | 0.32 | 34 | 0.14 | 2.92 | 0.00 | 0.12 | 0.01 | 0.00 | 0.00 | 3.20 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35 | 0.09 | 0.09 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.19 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36 | 0.06 | 0.59 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.65 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37 | 0.28 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38 | 5.60 | 5.60 | 0.05 | 2.06 | 0.09 | 0.00 | 0.00 | 13.41 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.02 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40 | 0.01 | 0.26 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.28 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42 | 0.00 | 0.00 | 3.75 | 0.00 | 0.00 | 0.00 | 0.00 | 3.75 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43 | 0.07 | 3.65 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 3.73 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.02 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47 | 1.86 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 52 | 3.85 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.13 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54 | 0.15 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 23 | 0.27 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 56 | 3.69 | 0.81 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 4.51 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57 | 1.02 | 0.73 | 0.32 | 0.07 | 0.03 | 0.00 | 0.00 | 2.16 |
| 25 | 0.01 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 58 | 0.10 | 2.08 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 2.22 |
| 26 | 0.02 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 59 | 7.55 | 5.39 | 1.11 | 1.31 | 0.04 | 0.00 | 0.00 | 15.40 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60 | 12.85 | 12.85 | 0.00 | 0.00 | 0.03 | 0.00 | 3.57 | 29.31 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 61 | 18.95 | 6.77 | 0.01 | 1.42 | 0.00 | 0.01 | 0.00 | 27.15 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 |
| 30 | 0.02 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 63 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 64 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 |
| 32 | 0.02 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 | 65 | 6.76 | 9.65 | 7.93 | 0.00 | 0.06 | 0.00 | 0.00 | 24.40 |
| 33 | 19.82 | 4.72 | 4.84 | 0.20 | 0.04 | 0.00 | 0.00 | 29.61 | 66 | 19.98 | 7.14 | 40.41 | 1.02 | 0.05 | 0.00 | 0.00 | 68.61 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 67 | 2.63 | 2.63 | 0.07 | 0.40 | 0.00 | 0.00 | 0.00 | 5.73 | 102 | 1.84 | 5.27 | 0.00 | 0.00 | 0.01 | 0.00 | 0.23 | 7.36 |
| 68 | 7.34 | 10.48 | 0.00 | 0.01 | 0.03 | 0.00 | 0.00 | 17.86 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 |
| 69 | 0.35 | 3.55 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 3.91 | 104 | 3.68 | 3.51 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 7.21 |
| 70 | 0.94 | 0.90 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 1.85 | 105 | 3.66 | 2.61 | 0.00 | 0.54 | 0.07 | 0.00 | 0.00 | 6.88 |
| 71 | 0.05 | 1.98 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 2.04 | 106 | 0.02 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 |
| 72 | 0.20 | 3.97 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 4.20 | 107 | 1.62 | 1.62 | 0.04 | 0.03 | 0.01 | 0.01 | 0.00 | 3.33 |
| 73 | 0.10 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.84 | 108 | 2.11 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.22 |
| 74 | 6.98 | 2.99 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 9.99 | 109 | 77.03 | 38.51 | 4.93 | 4.63 | 0.28 | 0.00 | 0.77 | 126.17 |
| 75 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.03 | 110 | 54.58 | 9.10 | 0.06 | 0.23 | 0.08 | 0.00 | 0.00 | 64.05 |
| 76 | 0.12 | 1.18 | 4.84 | 0.00 | 0.00 | 0.00 | 0.00 | 6.14 | 111 | 5.65 | 5.65 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 11.45 |
| 77 | 8.64 | 22.21 | 0.00 | 0.41 | 0.03 | 0.00 | 0.00 | 31.28 | 112 | 11.18 | 2.66 | 0.00 | 1.63 | 0.13 | 0.00 | 0.00 | 15.60 |
| 78 | 7.49 | 5.35 | 10.22 | 0.02 | 0.06 | 0.00 | 0.00 | 23.13 | 113 | 4.09 | 2.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.01 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 114 | 0.02 | 0.30 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.47 |
| 80 | 5.25 | 19.51 | 0.00 | 0.21 | 0.03 | 0.00 | 0.00 | 25.01 | 115 | 0.45 | 9.46 | 0.06 | 0.06 | 0.07 | 0.00 | 0.00 | 10.10 |
| 81 | 23.28 | 23.28 | 8.09 | 10.19 | 0.04 | 0.13 | 0.03 | 65.04 | 116 | 8.99 | 8.99 | 0.00 | 1.02 | 0.01 | 0.13 | 0.26 | 19.39 |
| 82 | 93.47 | 20.03 | 0.00 | 0.06 | 0.15 | 0.00 | 0.00 | 113.70 | 117 | 0.28 | 5.80 | 0.79 | 0.00 | 0.00 | 0.00 | 0.00 | 6.86 |
| 83 | 2.21 | 1.58 | 1.07 | 0.07 | 0.14 | 0.00 | 0.00 | 5.07 | 118 | 11.96 | 11.96 | 1.98 | 0.15 | 0.02 | 0.00 | 0.26 | 26.33 |
| 84 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 | 119 | 10.61 | 10.61 | 0.00 | 0.02 | 0.01 | 0.00 | 0.01 | 21.25 |
| 85 | 0.68 | 0.68 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 1.39 | 120 | 7.90 | 22.56 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 30.46 |
| 86 | 0.08 | 1.72 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 1.82 | 121 | 0.59 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 |
| 87 | 19.28 | 13.77 | 1.36 | 0.16 | 0.02 | 0.00 | 0.00 | 34.59 | 122 | 0.00 | 0.00 | 0.00 | 0.43 | 0.05 | 0.00 | 0.00 | 0.49 |
| 88 | 20.76 | 14.83 | 1.65 | 0.04 | 0.02 | 0.00 | 0.07 | 37.38 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 21.04 | 21.04 | 0.00 | 0.05 | 0.09 | 0.00 | 0.20 | 42.42 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 11.68 | 11.12 | 0.77 | 0.79 | 0.08 | 0.00 | 0.00 | 24.45 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 59.63 | 10.65 | 0.77 | 0.19 | 0.04 | 0.00 | 0.00 | 71.28 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.14 |
| 92 | 14.79 | 7.04 | 0.00 | 0.81 | 0.08 | 0.00 | 0.00 | 22.72 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 128 | 0.00 | 0.06 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.07 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.03 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.03 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132 | 0.46 | 0.33 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.83 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 133 | 0.05 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.15 |
| 99 | 0.39 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 134 | 37.37 | 2.87 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 40.25 |
| 100 | 0.05 | 1.96 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 2.02 | 135 | 0.14 | 3.00 | 0.28 | 0.00 | 0.03 | 0.00 | 0.00 | 3.45 |
| 101 | 0.01 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 136 | 19.35 | 19.35 | 2.29 | 0.37 | 0.01 | 0.00 | 0.00 | 41.38 |

8.13.6 To E-Rickshaw

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.30 | 0.03 | 0.00 | 0.00 | 0.32 | 34 | 0.14 | 2.92 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 3.19 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35 | 0.09 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36 | 0.06 | 0.88 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.94 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37 | 0.28 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38 | 5.60 | 5.60 | 0.05 | 12.36 | 0.02 | 0.00 | 0.00 | 23.63 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40 | 0.01 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42 | 0.00 | 0.00 | 3.75 | 0.00 | 0.00 | 0.00 | 0.00 | 3.75 |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43 | 0.07 | 6.09 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 6.16 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47 | 1.86 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 52 | 3.85 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.28 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54 | 0.15 | 4.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 23 | 0.27 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 56 | 3.69 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.51 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57 | 1.02 | 0.73 | 0.32 | 0.07 | 0.00 | 0.00 | 0.00 | 2.14 |
| 25 | 0.01 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 58 | 0.10 | 2.08 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 2.22 |
| 26 | 0.02 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 59 | 7.55 | 7.55 | 1.11 | 1.96 | 0.11 | 0.00 | 0.00 | 18.28 |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60 | 12.85 | 12.85 | 0.00 | 0.00 | 0.01 | 0.00 | 3.57 | 29.28 |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 61 | 18.95 | 9.47 | 0.01 | 2.13 | 0.00 | 0.01 | 0.00 | 30.56 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 |
| 30 | 0.02 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 63 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 64 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 |
| 32 | 0.02 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 | 65 | 6.76 | 13.51 | 7.93 | 0.00 | 0.06 | 0.00 | 0.00 | 28.26 |
| 33 | 19.82 | 6.61 | 4.84 | 0.20 | 0.01 | 0.00 | 0.00 | 31.47 | 66 | 19.98 | 9.99 | 40.41 | 1.70 | 0.05 | 0.00 | 0.00 | 72.15 |

| Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder | Zone No. | Trips shifted from cars | Trips shifted from 2W | Trips shifted from 3W | Trips shifted from Shared 3W | Trips shifted from RMTS | Trips shifted from Cyclists | Trips shifted from Pedestrians | Total trips shifted to feeder |
|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|----------|-------------------------|-----------------------|-----------------------|------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------------|
| 67 | 2.63 | 2.63 | 0.07 | 0.67 | 0.00 | 0.00 | 0.00 | 6.00 | 102 | 1.84 | 7.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 9.79 |
| 68 | 7.34 | 10.48 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 17.83 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 0.35 | 5.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 104 | 3.68 | 5.26 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 8.97 |
| 70 | 0.94 | 1.35 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 2.30 | 105 | 3.66 | 3.66 | 0.00 | 0.54 | 0.01 | 0.00 | 0.00 | 7.87 |
| 71 | 0.05 | 2.97 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 3.03 | 106 | 0.02 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 |
| 72 | 0.20 | 5.96 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 6.19 | 107 | 1.62 | 1.62 | 0.04 | 0.03 | 0.01 | 0.01 | 0.00 | 3.33 |
| 73 | 0.10 | 4.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.47 | 108 | 2.11 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.22 |
| 74 | 6.98 | 7.48 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 14.47 | 109 | 77.03 | 38.51 | 4.93 | 4.63 | 0.05 | 0.00 | 1.62 | 126.78 |
| 75 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.03 | 110 | 54.58 | 9.10 | 0.06 | 1.35 | 0.01 | 0.00 | 0.00 | 65.10 |
| 76 | 0.12 | 1.77 | 4.84 | 0.00 | 0.00 | 0.00 | 0.00 | 6.73 | 111 | 5.65 | 5.65 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 11.32 |
| 77 | 8.64 | 37.02 | 0.00 | 0.41 | 0.03 | 0.00 | 0.00 | 46.09 | 112 | 11.18 | 3.99 | 0.00 | 2.72 | 0.02 | 0.00 | 0.00 | 17.91 |
| 78 | 7.49 | 7.49 | 10.22 | 0.02 | 0.02 | 0.00 | 0.00 | 25.23 | 113 | 4.09 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.18 |
| 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 114 | 0.02 | 0.42 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.59 |
| 80 | 5.25 | 32.52 | 0.00 | 0.21 | 0.03 | 0.00 | 0.00 | 38.02 | 115 | 0.45 | 9.46 | 0.06 | 0.06 | 0.01 | 0.00 | 0.00 | 10.05 |
| 81 | 23.28 | 23.28 | 8.09 | 10.19 | 0.01 | 0.13 | 0.06 | 65.05 | 116 | 8.99 | 8.99 | 0.00 | 1.02 | 0.00 | 0.13 | 0.04 | 19.17 |
| 82 | 93.47 | 50.07 | 0.00 | 0.09 | 0.02 | 0.00 | 0.00 | 143.65 | 117 | 0.28 | 5.80 | 0.79 | 0.00 | 0.00 | 0.00 | 0.00 | 6.86 |
| 83 | 2.21 | 2.21 | 1.07 | 0.07 | 0.02 | 0.00 | 0.00 | 5.58 | 118 | 11.96 | 11.96 | 1.98 | 0.15 | 0.02 | 0.00 | 0.43 | 26.50 |
| 84 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 | 119 | 10.61 | 10.61 | 0.00 | 0.02 | 0.00 | 0.00 | 0.01 | 21.24 |
| 85 | 0.68 | 0.68 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 1.50 | 120 | 7.90 | 33.84 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 41.74 |
| 86 | 0.08 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 121 | 0.59 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.18 |
| 87 | 19.28 | 19.28 | 1.36 | 0.95 | 0.00 | 0.00 | 0.00 | 40.88 | 122 | 0.00 | 0.00 | 0.00 | 0.43 | 0.02 | 0.00 | 0.00 | 0.45 |
| 88 | 20.76 | 20.76 | 1.65 | 0.24 | 0.01 | 0.00 | 0.11 | 43.54 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 21.04 | 21.04 | 0.00 | 0.30 | 0.01 | 0.00 | 0.20 | 42.59 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 11.68 | 16.68 | 0.77 | 0.79 | 0.03 | 0.00 | 0.00 | 29.95 | 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 59.63 | 14.91 | 0.77 | 0.19 | 0.04 | 0.00 | 0.00 | 75.54 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.05 |
| 92 | 14.79 | 10.56 | 0.00 | 0.81 | 0.08 | 0.00 | 0.00 | 26.24 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 128 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132 | 0.46 | 0.46 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.94 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 133 | 0.05 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.15 |
| 99 | 0.39 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.24 | 134 | 37.37 | 2.87 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 40.25 |
| 100 | 0.05 | 4.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.96 | 135 | 0.14 | 3.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 3.43 |
| 101 | 0.01 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 136 | 19.35 | 19.35 | 2.29 | 0.62 | 0.01 | 0.00 | 0.00 | 41.62 |

8.14 Zonewise total trips expected to be shifted in Year 2018, 2023 & 2028

| Zone Number | Year 2018 | Year 2023 | Year 2028 | Zone Number | Year 2018 | Year 2023 | Year 2028 | Zone Number | Year 2018 | Year 2023 | Year 2028 | Zone Number | Year 2018 | Year 2023 | Year 2028 | Zone Number | Year 2018 | Year 2023 | Year 2028 |
|-------------|-----------|-----------|-----------|-------------|-----------|-----------|-----------|-------------|-----------|-----------|-----------|-------------|-----------|-----------|-----------|-------------|-----------|-----------|-----------|
| 1 | 16.30 | 32.18 | 67.50 | 45 | 0.00 | 0.24 | 0.53 | 89 | 118.92 | 198.22 | 247.23 | 133 | 3.10 | 5.78 | 7.37 | 177 | 269.80 | 354.15 | 560.84 |
| 2 | 0.00 | 0.24 | 0.53 | 46 | 0.00 | 0.24 | 0.53 | 90 | 108.99 | 159.06 | 196.49 | 134 | 129.07 | 182.48 | 225.41 | 178 | N.A | N.A | 0.53 |
| 3 | 0.00 | 0.24 | 0.53 | 47 | 12.67 | 17.03 | 21.24 | 91 | 241.32 | 334.37 | 420.96 | 135 | 10.23 | 17.40 | 21.69 | 179 | N.A | N.A | 0.53 |
| 4 | 0.00 | 0.24 | 0.53 | 48 | 0.00 | 0.24 | 0.53 | 92 | 169.57 | 263.11 | 375.74 | 136 | 125.26 | 193.36 | 238.82 | 180 | N.A | N.A | 7.42 |
| 5 | 0.00 | 0.24 | 0.53 | 49 | 0.00 | 0.24 | 0.53 | 93 | 0.09 | 0.35 | 0.67 | 137 | 10.68 | 16.91 | 21.10 | 181 | N.A | N.A | 32.31 |
| 6 | 0.00 | 0.24 | 0.53 | 50 | 0.00 | 0.24 | 0.53 | 94 | 0.00 | 0.24 | 0.53 | 138 | 62.89 | 97.56 | 121.15 | 182 | N.A | N.A | 52.41 |
| 7 | 0.00 | 0.24 | 0.53 | 51 | 0.00 | 0.24 | 0.53 | 95 | 0.31 | 0.62 | 1.24 | 139 | 13.92 | 21.68 | 28.08 | 183 | N.A | N.A | 52.41 |
| 8 | 0.00 | 0.24 | 0.53 | 52 | 26.25 | 34.99 | 43.40 | 96 | 0.45 | 0.80 | 1.20 | 140 | 1.93 | 3.30 | 4.31 | 184 | N.A | N.A | 111.74 |
| 9 | 0.00 | 0.24 | 0.53 | 53 | 0.05 | 0.30 | 0.60 | 97 | 0.00 | 0.24 | 0.53 | 141 | 46.41 | 73.49 | 90.91 | 185 | N.A | N.A | 32.31 |
| 10 | 0.00 | 0.24 | 0.53 | 54 | 18.14 | 27.95 | 34.72 | 98 | 0.00 | 0.24 | 0.53 | 142 | 8.59 | 13.18 | 16.50 | 186 | N.A | N.A | 52.41 |
| 11 | 0.00 | 0.24 | 0.53 | 55 | 0.42 | 0.76 | 1.17 | 99 | 5.17 | 7.73 | 9.77 | 143 | 94.91 | 147.44 | 194.00 | 187 | N.A | N.A | 149.28 |
| 12 | 0.00 | 0.24 | 0.53 | 56 | 14.55 | 21.32 | 26.54 | 100 | 19.67 | 28.34 | 35.24 | 144 | 103.46 | 174.21 | 220.77 | 188 | N.A | N.A | 149.28 |
| 13 | 0.71 | 1.12 | 1.62 | 57 | 12.40 | 19.58 | 32.17 | 101 | 3.85 | 5.97 | 7.59 | 145 | 0.00 | 0.24 | 0.53 | 189 | N.A | N.A | 149.28 |
| 14 | 0.00 | 0.24 | 0.53 | 58 | 6.68 | 11.16 | 14.00 | 102 | 38.78 | 56.00 | 69.93 | 146 | 51.42 | 83.41 | 110.19 | 190 | N.A | N.A | 0.53 |
| 15 | 0.00 | 0.24 | 0.53 | 59 | 58.72 | 83.25 | 108.52 | 103 | 0.23 | 0.52 | 0.88 | 147 | 0.67 | 1.38 | 1.93 | 191 | N.A | N.A | 0.53 |
| 16 | 0.00 | 0.24 | 0.53 | 60 | 15.23 | 118.52 | 162.00 | 104 | 36.30 | 52.79 | 65.37 | 148 | 0.00 | 0.24 | 0.53 | 192 | N.A | N.A | 0.53 |
| 17 | 0.00 | 0.24 | 0.53 | 61 | 42.45 | 59.47 | 171.88 | 105 | 84.67 | 112.57 | 139.13 | 149 | 55.06 | 82.44 | 112.37 | 193 | N.A | N.A | 0.53 |
| 18 | 0.09 | 0.40 | 0.73 | 62 | 0.00 | 0.24 | 0.86 | 106 | 1.08 | 1.94 | 2.63 | 150 | 0.00 | 0.24 | 0.53 | | | | |
| 19 | 0.15 | 0.42 | 0.76 | 63 | 0.00 | 0.24 | 0.86 | 107 | 12.49 | 17.97 | 23.78 | 151 | 0.00 | 0.24 | 0.53 | | | | |
| 20 | 0.00 | 0.24 | 0.53 | 64 | 0.00 | 0.24 | 0.86 | 108 | 11.97 | 19.65 | 24.47 | 152 | 0.00 | 0.24 | 0.53 | | | | |
| 21 | 0.00 | 0.24 | 0.53 | 65 | 39.29 | 51.82 | 159.87 | 109 | 661.79 | 1084.19 | 1843.60 | 153 | 0.00 | 0.24 | 0.53 | | | | |
| 22 | 0.00 | 0.24 | 0.53 | 66 | 239.71 | 344.53 | 437.25 | 110 | 201.46 | 275.04 | 344.21 | 154 | 2.70 | 4.59 | 5.90 | | | | |
| 23 | 2.14 | 3.15 | 4.12 | 67 | 20.76 | 29.73 | 36.92 | 111 | 34.55 | 55.73 | 68.99 | 155 | 6.05 | 11.60 | 14.55 | | | | |
| 24 | 0.00 | 0.24 | 0.53 | 68 | 62.24 | 95.91 | 119.19 | 112 | 68.07 | 93.79 | 115.96 | 156 | 321.32 | 427.62 | 527.86 | | | | |
| 25 | 0.66 | 1.38 | 1.93 | 69 | 21.24 | 33.19 | 41.18 | 113 | 23.87 | 36.31 | 45.03 | 157 | 77.74 | 98.08 | 144.85 | | | | |
| 26 | 0.96 | 1.66 | 2.28 | 70 | 9.18 | 13.81 | 17.27 | 114 | 10.74 | 19.76 | 33.93 | 158 | 0.46 | 0.96 | 1.42 | | | | |
| 27 | 0.00 | 0.24 | 0.53 | 71 | 12.22 | 18.51 | 23.07 | 115 | 35.17 | 62.90 | 77.84 | 159 | 0.76 | 1.15 | 1.65 | | | | |
| 28 | 0.06 | 0.31 | 0.62 | 72 | 25.08 | 37.14 | 46.85 | 116 | 57.37 | 97.70 | 127.78 | 160 | 39.87 | 53.89 | 67.37 | | | | |
| 29 | 0.00 | 0.24 | 0.53 | 73 | 16.69 | 25.41 | 31.59 | 117 | 17.70 | 33.38 | 41.42 | 161 | 0.00 | 0.24 | 0.53 | | | | |
| 30 | 0.93 | 1.87 | 2.54 | 74 | 52.35 | 78.09 | 97.18 | 118 | 87.28 | 137.43 | 180.91 | 162 | 0.00 | 0.24 | 0.53 | | | | |
| 31 | 0.00 | 0.24 | 0.53 | 75 | 1.30 | 2.08 | 3.87 | 119 | 63.77 | 100.44 | 125.16 | 163 | 0.55 | 0.92 | 1.37 | | | | |
| 32 | 1.39 | 2.84 | 3.73 | 76 | 25.93 | 34.68 | 43.03 | 120 | 153.67 | 234.37 | 289.42 | 164 | 0.00 | 0.24 | 0.53 | | | | |
| 33 | 64.68 | 88.70 | 194.94 | 77 | 267.35 | 375.40 | 480.46 | 121 | 3.42 | 5.41 | 6.91 | 165 | 119.96 | 175.27 | 216.49 | | | | |
| 34 | 17.38 | 23.52 | 41.00 | 78 | 86.38 | 119.98 | 149.57 | 122 | 29.86 | 53.72 | 93.82 | 166 | 3.85 | 6.00 | 7.67 | | | | |
| 35 | 0.08 | 0.33 | 1.70 | 79 | 0.00 | 0.24 | 0.53 | 123 | 0.00 | 0.24 | 0.53 | 167 | 3.95 | 5.73 | 7.30 | | | | |
| 36 | 2.20 | 3.66 | 7.29 | 80 | 222.51 | 302.11 | 381.86 | 124 | 0.00 | 0.24 | 0.53 | 168 | 245.45 | 339.84 | 421.12 | | | | |
| 37 | 0.00 | 0.24 | 3.62 | 81 | 758.94 | 1109.95 | 1797.85 | 125 | 0.00 | 0.24 | 0.53 | 169 | 0.09 | 0.35 | 0.66 | | | | |
| 38 | 44.00 | 80.53 | 118.72 | 82 | 500.98 | 667.68 | 825.09 | 126 | 2.45 | 3.28 | 4.28 | 170 | 3.38 | 4.81 | 6.16 | | | | |
| 39 | 0.41 | 0.75 | 1.16 | 83 | 18.91 | 27.05 | 43.66 | 127 | 0.00 | 0.24 | 0.53 | 171 | 186.21 | 255.21 | 315.13 | | | | |
| 40 | 0.88 | 1.73 | 2.36 | 84 | 0.01 | 0.25 | 0.87 | 128 | 0.39 | 0.77 | 1.18 | 172 | 5.05 | 7.67 | 9.70 | | | | |
| 41 | 0.00 | 0.24 | 0.53 | 85 | 6.47 | 10.87 | 13.72 | 129 | 0.00 | 0.24 | 0.53 | 173 | 1.14 | 1.65 | 2.23 | | | | |
| 42 | 14.71 | 18.48 | 23.04 | 86 | 4.57 | 9.22 | 11.61 | 130 | 0.00 | 0.24 | 0.53 | 174 | 9.37 | 18.85 | 23.50 | | | | |
| 43 | 34.63 | 50.24 | 62.22 | 87 | 119.25 | 179.43 | 221.63 | 131 | 0.00 | 0.24 | 0.53 | 175 | 0.69 | 1.51 | 2.10 | | | | |
| 44 | 0.00 | 0.24 | 0.53 | 88 | 124.11 | 196.00 | 257.40 | 132 | 3.91 | 5.44 | 6.91 | 176 | 1.62 | 3.49 | 4.54 | | | | |

8.15 Fleet Estimation for Hybrid RMTS

8.15.1 Fleet Estimation for Hybrid RMTS in 2018

| Year 2018 | Route A | Route B | Units |
|---|-------------|------------|---------|
| Route length | 8.9 | 18 | |
| Average operational speed by bus off corridor | 18.32 | 18.32 | Km/h |
| Average operational speed by bus on corridor | 18.48 | 18.48 | |
| Distance on Corridor | 1.8 | 6 | |
| Distance off corridor | 7.1 | 12 | |
| Average operational speed | 18.3523596 | 18.3733333 | |
| Average layover time | 10 | 10 | Minutes |
| Average one way trip time | 0.65161793 | 1.14919942 | Hours |
| Average one way trip time | 39.1484716 | 68.9519651 | Minutes |
| Total passengers shifting to BRT | 840 | 504 | Per day |
| % of passenger using BRT | 40% | 40% | |
| Total passengers using the route in a day | 2100 | 1260 | |
| Average passenger trip length | 6.43 | 6.43 | Km |
| Seating capacity of bus | 24 | 24 | |
| Average occupancy | 80% | 30% | |
| Average occupancy per bus | 19.2 | 7.2 | |
| Fleet utilization | 90% | 90% | |
| Average km per bus per day | 204.874656 | 234.946168 | km |
| | | | |
| Total fleet required | 3.81415459 | 5.32154998 | |
| Total Headway | 22.778938 | 28.793601 | Minutes |
| | | | |
| Average Ticket price(per km) | 1 | 1 | Rs. |
| Total daily Earning | 13503 | 8101.8 | Rs. |
| Total bus km in a day | 703.28125 | 1125.25 | |
| Total Earning per km | 19.2 | 7.2 | Rs. |
| | | | |
| Overall EPK | 11.81538462 | | Rs |

8.15.2 Fleet Estimation for Hybrid RMTS in 2023

| Year 2023 | Route A | Route B | Units |
|---|-------------|------------|---------|
| Route length | 8.9 | 18 | |
| Average operational speed by bus off corridor | 17.4 | 17.4 | Km/h |
| Average operational speed by bus on corridor | 18.48 | 18.48 | |
| Distance on Corridor | 1.8 | 6 | |
| Distance off corridor | 7.1 | 12 | |
| Average operational speed | 17.618427 | 17.76 | |
| Average layover time | 10 | 10 | Minutes |
| Average one way trip time | 0.6718196 | 1.20114943 | Hours |
| Average one way trip time | 40.6896552 | 72.0689655 | Minutes |
| Total passengers shifting to BRT | 1082 | 640 | Per day |
| % of passenger using BRT | 40% | 40% | |
| Total passengers using the route in a day | 2705 | 1600 | |
| Average passenger trip length | 6.43 | 6.43 | Km |
| Seating capacity of bus | 24 | 24 | |
| Average occupancy | 80% | 35% | |
| Average occupancy per bus | 19.2 | 8.4 | |
| Fleet utilization | 90% | 90% | |
| Average km per bus per day | 198.714061 | 224.784689 | km |
| | | | |
| Total fleet required | 5.06530856 | 6.05400024 | |
| Total Headway | 17.6842033 | 26.4541213 | Minutes |
| | | | |
| Average Ticket price(per km) | 1 | 1 | Rs. |
| Total daily Earning | 17393.15 | 10288 | Rs. |
| Total bus km in a day | 905.893229 | 1224.7619 | |
| Total Earning per km | 19.2 | 8.4 | EPK |
| | | | |
| Overall EPK | 12.99184911 | | Rs |

8.15.3 Fleet Estimation for Hybrid RMTS in 2028

| Year 2028 | Route A | Route B | Units |
|---|-------------|------------|---------|
| Route length | 8.9 | 18 | |
| Average operational speed by bus off corridor | 16.53 | 16.5 | Km/h |
| Average operational speed by bus on corridor | 18.48 | 18.5 | |
| Distance on Corridor | 3 | 9.5 | |
| Distance off corridor | 5.9 | 8.5 | |
| Average operational speed | 17.2 | 17.6 | |
| Average layover time | 10 | 10 | Minutes |
| Average one way trip time | 0.68449077 | 1.25559589 | Hours |
| Average one way trip time | 42.3049002 | 75.3357532 | Minutes |
| Total passengers shifting to BRT | 1443 | 899 | Per day |
| % of passenger using BRT | 40% | 40% | |
| Total passengers using the route in a day | 3607.5 | 2247.5 | |
| Average passenger trip length | 6.43 | 6.43 | Km |
| Seating capacity of bus | 24 | 24 | |
| Average occupancy | 80% | 45% | |
| Average occupancy per bus | 19.2 | 10.8 | |
| Fleet utilization | 90% | 90% | |
| Average km per bus per day | 195.0355 | 215.03734 | km |
| | | | |
| Total fleet required | 6.8827169 | 6.91401836 | |
| Total Headway | 13.2600887 | 24.2135291 | Minutes |
| | | | |
| Average Ticket price(per km) | 1 | 1 | Rs. |
| Total daily Earning | 23196.225 | 14451.425 | Rs. |
| Total bus km in a day | 1208.13672 | 1338.09491 | |
| Total Earning per km | 19.2 | 10.8 | EPK |
| | | | |
| Overall EPK | 14.78563443 | | Rs |

8.16 Earning & Cost Per Kilometer (EPKM & CPKM) of both BRTs and RMTS

| Sr. No. | Route No. | Route Name | Route length(KM) | Avg. KM | EPKM(Rs.) | CPKM(Rs.) |
|---------|-----------|---|------------------|---------|-----------|-----------|
| 1 | 1 | TriKonbag - sau uni | 6.9 | 364 | 14.5 | 50 |
| 2 | 2 | Raiya-Pradumanpark | 16.6 | 362 | 10.7 | 33 |
| 3 | 3 | bhakti park-jivarajpark | 15.1 | 367 | 10.5 | 33 |
| 4 | 4 | Aji-G.I.D.C | 22.8 | 388 | 17.3 | 50 |
| 5 | 5 | Raiya-Trumba | 21.85 | 380 | 16.2 | 33 |
| 6 | 6 | Santosingar-Trumba | 22.05 | 372 | 10.2 | 33 |
| 7 | 7 | Bhakit nagar cir.-Bajarang wadi circle | 9.2 | 340 | 10.7 | 33 |
| 8 | 8 | Mavadi to greenland | 13.9 | 380 | 11.9 | 33 |
| 9 | 9 | ARPIT ENG. TO SAU. UNI. | 30.55 | 403 | 10.7 | 50 |
| 10 | 11 | trikon baug-saparveraval | 15.5 | 385 | 10.8 | 50 |
| 11 | 13 | kotharoya-Santoshinagar | 10.05 | 340 | 13.4 | 33 |
| 12 | 14 | Navagam-Kothariya | 12.9 | 392 | 11.0 | 33 |
| 13 | 15 | Kothariya to G.I.D.C-3 | 20.3 | 376 | 14.8 | 50 |
| 14 | 16 | Sau Uni-Kothariya | 16 | 416 | 13.8 | 33 |
| 15 | 17 | Sau. To Trumba gam | 23.3 | 412 | 17.3 | 50 |
| 16 | 18 | Aji-G.I.D.C | 21.15 | 413 | 15.6 | 50 |
| 17 | 19 | vavdi gaam-Hansrajnagar | 11.6 | 341 | 9.4 | 33 |
| 18 | 20 | Ghanteswar to Sapar | 26.5 | 340 | 13.5 | 33 |
| 19 | 21 | TRIKON BAUG TO JK PARK RAIYA | 8.2 | 316 | 3.3 | 33 |
| 20 | 23 | Mavadi to Pradumanpark | 15.35 | 353 | 9.6 | 33 |
| 21 | 24 | trikonbag-G.I.D.C-3 | 17.35 | 422 | 11.6 | 50 |
| 22 | 25 | slum quater-Jivaraj Park | 11.5 | 369 | 8.5 | 33 |
| 23 | 26 | VAVDI GAM-slum quarter | 12.2 | 418 | 11.3 | 33 |
| 24 | 27 | trikonbag-raiyadhar | 6.75 | 280 | 12.8 | 33 |
| 25 | 28 | gujrat housing quarter-jivrajpark | 13.95 | 345 | 13.5 | 33 |
| 26 | 30 | Trikonbaug Circular | 9.55 | 188 | 10.1 | 33 |
| 27 | 31 | Trikonbaug Circular | 9.55 | 175 | 9.8 | 33 |
| 28 | 32 | parasananagar-Trumba | 20 | 376 | 10.5 | 33 |
| 29 | 34 | Sau. Uni.- pradumanpark | 16.15 | 379 | 14.6 | 33 |
| 30 | 35 | trikonbag-sapar | 15.75 | 360 | 14.1 | 33 |
| 31 | 36 | bhaktinagar circle-parapipaliya village | 12.05 | 339 | 10.1 | 33 |
| 32 | 37 | Vinodnagar-Santosinagar | 11.7 | 352 | 14.5 | 33 |
| 33 | 38 | ajidem-madhapar village | 12.5 | 335 | 11.4 | 33 |
| 34 | 40 | sau. Uni-santoshi nagar | 11.9 | 335 | 10.7 | 33 |
| 35 | 41 | VINOD NAGAR-gangotri park | 13.1 | 320 | 8.5 | 33 |
| 36 | 42 | greenland chokdi-JIVRAJ PARK | 12.75 | 341 | 12.3 | 33 |
| 37 | 43 | bhagvatipara-akshar vatika | 13.1 | 320 | 10.9 | 33 |
| 38 | 44 | trikonbag-trumba village | 16.4 | 384 | 12.2 | 50 |
| 39 | 45 | sau. Uni-ratanpargam | 25.75 | 406 | 15.1 | 50 |
| 40 | 46 | trikonbag-Arpit engg. College(hadala) | 18.85 | 372 | 13.1 | 50 |
| 41 | 47 | kothariya-sau. Uni. | 13.85 | 416 | 14.5 | 50 |
| 42 | 51 | Punit nagar-Ghnateshwar | 16.85 | 408 | 14.0 | 33 |
| 43 | 54 | kothariya-Gnateshwar | 17.45 | 392 | 17.0 | 33 |
| 44 | 55 | Gondal X-Ratanpar | 24.8 | 427 | 11.1 | 50 |
| 45 | 57 | Trikonbaug-Govt Engg | 11.8 | 697 | 13.1 | 50 |

8.17 Fleet Estimation for E-rickshaw

8.17.1 Fleet Estimation for E-rickshaw in 2018

| Year 2018 | Route A | Units |
|---|------------|---------|
| Route length | 7.8 | |
| Average operational speed by bus off corridor | 8 | Km/h |
| Average operational speed by bus on corridor | 8 | |
| Distance on Corridor | 0 | |
| Distance off corridor | 7.8 | |
| Average operational speed | 8 | |
| Average layover time | 0 | Minutes |
| Average one way trip time | 0.975 | Hours |
| Average one way trip time | 58.5 | Minutes |
| Total passengers shifting to BRT | 254 | Per day |
| % of passenger using BRT | 20% | |
| Total passengers using the route in a day | 1270 | |
| Average passenger trip length | 1.5 | Km |
| Seating capacity of bus | 4 | |
| Average occupancy | 50% | |
| Average occupancy per bus | 2 | |
| Fleet utilization | 70% | |
| Average km per bus per day | 120 | km |
| | | |
| Total fleet required | 11.3392857 | |
| Total Headway | 14.7401575 | Minutes |
| | | |
| Average Ticket price(per km) | 3.5 | Rs. |
| Total daily Earning | 6667.5 | Rs. |
| Total bus km in a day | 952.5 | |
| Total Earning per km | 7 | Rs. |

8.17.2 Fleet Estimation for E-rickshaw in 2023

| Year 2023 | Route A | Units |
|---|------------|---------|
| Route length | 7.8 | |
| Average operational speed by bus off corridor | 7.6 | Km/h |
| Average operational speed by bus on corridor | 7.6 | |
| Distance on Corridor | 0 | |
| Distance off corridor | 7.8 | |
| Average operational speed | 7.6 | |
| Average layover time | 0 | Minutes |
| Average one way trip time | 1.02631579 | Hours |
| Average one way trip time | 61.5789474 | Minutes |
| Total passengers shifting to BRT | 446 | Per day |
| % of passenger using BRT | 20% | |
| Total passengers using the route in a day | 2230 | |

| Year 2023 | Route A | Units |
|-------------------------------|------------|---------|
| Average passenger trip length | 1.5 | Km |
| Seating capacity of bus | 4 | |
| Average occupancy | 50% | |
| Average occupancy per bus | 2 | |
| Fleet utilization | 70% | |
| Average km per bus per day | 114 | km |
| Total fleet required | 20.9586466 | |
| Total Headway | 8.39461883 | Minutes |
| Average Ticket price(per km) | 3.5 | Rs. |
| Total daily Earning | 11707.5 | Rs. |
| Total bus km in a day | 1672.5 | |
| Total Earning per km | 7 | EPK |

8.17.3 Fleet Estimation for E-rickshaw in 2028

| Year 2028 | Route A | Units |
|---|------------|---------|
| Route length | 7.8 | |
| Average operational speed by bus off corridor | 7.22 | Km/h |
| Average operational speed by bus on corridor | 7.22 | |
| Distance on Corridor | 0 | |
| Distance off corridor | 7.8 | |
| Average operational speed | 7.22 | |
| Average layover time | 0 | Minutes |
| Average one way trip time | 1.08033241 | Hours |
| Average one way trip time | 64.8199446 | Minutes |
| Total passengers shifting to BRT | 552 | Per day |
| % of passenger using BRT | 20% | |
| Total passengers using the route in a day | 2760 | |
| Average passenger trip length | 1.5 | Km |
| Seating capacity of bus | 4 | |
| Average occupancy | 50% | |
| Average occupancy per bus | 2 | |
| Fleet utilization | 70% | |
| Average km per bus per day | 108.3 | km |
| Total fleet required | 27.3051049 | |
| Total Headway | 6.7826087 | Minutes |
| Average Ticket price(per km) | 3.5 | Rs. |
| Total daily Earning | 14490 | Rs. |
| Total bus km in a day | 2070 | |
| Total Earning per km | 7 | EPK |

8.18 BRTs Fleet Estimation for Year 2018, 2023 & 2028

| Particulars | 2018 (without feeder) | 2018 with feeder | 2023 with feeder | 2028 with feeder | Units |
|---|-----------------------|------------------|------------------|------------------|---------|
| Route length | 10.7 | 10.7 | 10.7 | 10.7 | |
| Average operational speed by bus off corridor | 18.32 | 18.32 | 18.32 | 18.32 | Km/h |
| Average operational speed by bus on corridor | 18.48 | 18.48 | 18.48 | 18.48 | |
| Distance on Corridor | 10.7 | 10.7 | 10.7 | 10.7 | |
| Distance off corridor | 0 | 0 | 0 | 0 | |
| Average operational speed | 18.48 | 18.48 | 18.48 | 18.48 | |
| Average layover time | 4 | 4 | 4 | 4 | Minutes |
| Average one way trip time | 0.645671 | 0.645671 | 0.645671 | 0.645671 | Hours |
| Average one way trip time | 39.0436681 | 39.0436681 | 39.0436681 | 39.0436681 | Minutes |
| Total passengers shifting to BRT | 21109 | 24905 | 31459 | 39864 | Per day |
| % of passenger using BRT | 100% | 100% | 100% | 100% | |
| Total passengers using the route in a day | 21109 | 24905 | 31459 | 39864 | |
| Average passenger trip length | 3.83 | 3.83 | 3.83 | 3.83 | Km |
| Seating capacity of bus | 42 | 42 | 42 | 42 | |
| Average occupancy | 78% | 78% | 78% | 78% | |
| Average occupancy per bus | 32.76 | 32.76 | 32.76 | 32.76 | |
| Fleet utilization | 90% | 90% | 90% | 90% | |
| Average km per bus per day | 248.58 | 248.58 | 248.58 | 248.58 | km |
| | | | | | |
| Total fleet required | 11.0 | 13.0 | 16.4 | 20.8 | |
| Total Headway | 7.8 | 6.6 | 5.2 | 4.1 | Minutes |
| | | | | | |
| Average Ticket price(per km) | 1.50 | 1.50 | 1.50 | 1.50 | Rs. |
| Total daily Earning | 121271 | 143079 | 180732 | 229019 | Rs. |
| Total bus km in a day | 2468 | 2912 | 3678 | 4661 | |
| Total Earning per km | 49.14 | 49.14 | 49.14 | 49.14 | Rs. |

8.19 Technical Specifications for E-Buses

Proposed Specification for electric bus operation in the city

| Description | Proposed specification |
|---|--|
| Bus Length | 12000 |
| Bus Width | 2600 mm |
| Height | 3800 mm maximum |
| Turning Radius | As per CMVR |
| Bus Floor height above ground in mm | 900 mm |
| Clearances (mm) | Axle: minimum 190 mm Minimum ground clearance at GVW: Within the wheelbase not less than 240mm |
| Wheel-base | 6100 mm |
| Turning circle radius (mm) - minimum | As per CMVR |
| Seating Capacity | 35 passengers seating with peak loading capacity of 70 passengers (Average weight for peak loading should be considered at 68 Kg/ person along with 7 kg of luggage) |
| Number of seats including one for wheel chair | 32-34 |
| Area for seated passengers (sq.mm.): | 400*350 |
| Number of standees (calculation as per AIS 052) | As per AIS 052 |
| Area for standee passengers (sq.mm.): | As per AIS 052 |

| | |
|--|---|
| Battery | Li-ion /Li ion Phosphate or Lithium ion nickel manganese cobalt oxide |
| | |
| Battery life | 10 years of 800000 kms (whichever is earlier) |
| Charging infrastructure | To be decided by Bus operator (plug in is preferred) |
| Minimum operations Range per bus per day | 250 km |
| Gradeability | 17 % |
| Traction controller | Automatic or Manual. In case of Manual minimum 5 forward and one reverse speed and neutral during stops |
| Steering | Hydraulic Power steering |
| Battery Capacity | >300 Kwh |
| Minimum hours of operations | 16 hours |
| Average Speed of operations | 25 km/h includes frequent stops in urban conditions (every 500 to 1000 m) |
| Maximum speed | <p>maximum speed without speed limiter to be 70 ± 5 kmph</p> <p>Maximum speed 60 kmph (with speed limiter)</p> <p>*Speed Limiter for the above limit is mandatory for BRTS operations as per direction Hon'ble High Court of Gujarat</p> |
| Acceleration (meter/sec ²) | ≥ 0.9 |
| Attain Bus speed of 0-30 kmph in seconds | ≤ 9 |
| Life of Bus | 10 years of 800000 kms (whichever is earlier) |
| Electrical system for bus ancillaries | 24 volt DC |

| | |
|---|---|
| Devices to operate onboard bus ancillaries: | Low maintenance type lead acid batteries / devices to provide 24 V, 180Ah rating system- performances as per BIS |
| Rated performance at GVW in a stop/start urban operations | Attain bus speed of 70 ± 5 kmph (without speed limiter) at GVW load, air conditioning and other sub-system operational. Attain maximum speed of 75 kmph (without speed limiter) and 60 kmph (with speed limiter) at GVW load and air conditioning system operational |
| Electric propulsion system operational requirements | Electric propulsion system should be able to operate efficiently at ambient temperatures / environmental conditions of Rajkot generally operating in the semi-arid zone prevailing in the area. |
| Rear axle | Single reduction, hypoid gears, full floating axle shafts with optimal gear ratios suitable for urban operations |
| Front axle | Heavy duty reverse Elliot type axle suitable for bus floor height |
| Angles | Angle of approach (laden): not less than 9 degrees Angle of Departure (unladen) not less than 8.5 degrees Ramp over angle: minimum 4.8 degrees |
| ITS | As specified separately under ITS chapter of UBS II specifications |

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