Corridor planning is essential to ensuring inter-modal connectivity between stations areas, as well as the creation of complementary stations along each transit corridor. Stations must be integrated and accessible to allow for a network of transit-oriented places, which exist within the framework of an overarching city-wide TOD plan.
01 MAP TRANSIT ALIGNMENT AND STATION LOCATIONS

To understand transit system features and station characteristics.

<table>
<thead>
<tr>
<th>TRANSIT TYPE</th>
<th>PHASING</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRTS</td>
<td>MRTS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ALIGNMENT</th>
<th>STATION SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Coverage</td>
<td>Average distance between stations</td>
</tr>
</tbody>
</table>

DATA SOURCES

- Transit System Detailed Report
- Mobility Plan/Transport Plan
- Master Plan/Development Plan/Comprehensive Plan

[Refer to AS-H02 How to undertake Rapid Transit Alternative Analysis]

02 DELINEATE INFLUENCE ZONE ALONG CORRIDOR

To determine the catchment area around transit routes where transit-supportive development needs to be prioritized.

DATA SOURCES

- Existing Station Locations
- Satellite Imagery
- Google Street View
- GIS Database for land parcels, road network and natural features
- Master Plan/Development Plan/Comprehensive Plan
- Mobility Plan/Transport Plan
- Field Survey

CATCHMENT AREA
800 m - 2 km / feeder network

INFLUENCE ZONE
400m – 800m / 10min walk

PRIMARY STATION AREA
0-400 m / 5 Min walk

03 ANALYZE DEVELOPMENT OPPORTUNITIES

To understand development context and capacity for intensification along transit corridor(s).

DATA SOURCES

- Real Estate Market Assessment Reports
- Land Values from Real Estate Developers
- GIS Database
- Field Survey
- Stakeholder Engagement
- Existing/Proposed Land Uses

DEVELOPMENT PATTERN
Plot Sizes | Land Use Changes | Distribution of Employment & Residential Uses

REAL ESTATE MARKET POTENTIAL
Property Values | Undeveloped Lands | FAR Utilization
ASSESS INFRASTRUCTURE CARRYING CAPACITIES

To understand the maximum number of people that can be supported along the corridor through optimum utilization of the available resources.

**POPULATION ANALYSIS**
- Growth Trends

**PEDESTRIAN AND BICYCLE INFRASTRUCTURE + TRAFFIC**
- Level of Service Benchmarks

**UTILITIES**
- Water | Waste | Energy | Drainage

**TRANSIT**
- Service Coverage | Ridership | Estimates

**DATA SOURCES**
- Transit System Detailed Report
- Master Plan/Development Plan/Comprehensive Plan
- Mobility Plan/Transport Plan
- Traffic Impact Studies
- Infrastructure Detailed report

**CONNECTIONS TO LOCAL BUS FEEDER ROUTES**
**CONNECTIONS TO PEDESTRIAN & BICYCLE NETWORK**
**CONNECTIONS TO OTHER PREMIUM TRANSIT CORRIDORS**

EVALUATE CONNECTIVITY ALTERNATIVES

To provide seamless linkages between priority corridor(s) and the city’s other transportation network.

**DATA SOURCES**
- Bus System Detailed Report
- Route Rationalization Studies
- Mobility Plan/Transport Plan
- Field Surveys
- Google Street Map

PREPARE CORRIDOR TOD STRATEGIC PLAN

To create a phased implementation plan for prioritizing station areas and level of intervention needed to maximize TOD potential.

**NETWORK LEVEL IMPROVEMENTS**
**STATION AREA TYPOLOGIES**
**PRIORITY STATION AREAS**

**STREET HIERARCHY**
**CATALYST PROJECTS**
**TOD ZONING CODE**

[Refer to AS-H03 How to undertake Infrastructure Carrying Capacity Assessment]

[Refer to AS-H02 How to undertake Rapid Transit Alternative Analysis]
Greenfield BRT Corridor, Rio, Brazil