

PD-H02

HOW TO PREPARE A CORRIDOR TOD PLAN



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.

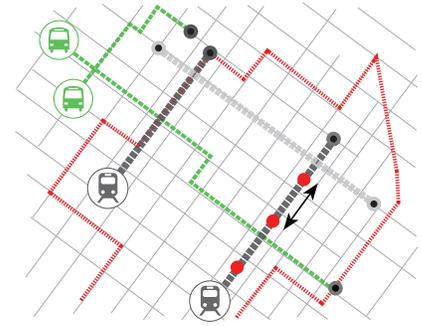
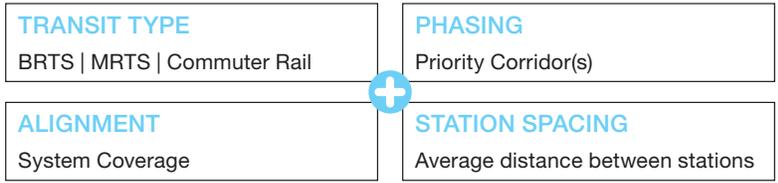
Type: Step-by-Step Guide



Disclaimer: The Transit-Orientated Development Implementation Resources & Tools knowledge product is designed to provide a high-level framework for the implementation of TOD and offer direction to cities in addressing barriers at all stages. As the context in low and middle-income cities varies, the application of the knowledge product must be adapted to local needs and priorities, and customized on a case-by-case basis. © 2021 International Bank for Reconstruction and Development / The World Bank

01 MAP TRANSIT ALIGNMENT AND STATION LOCATIONS

To understand transit system features and station characteristics.



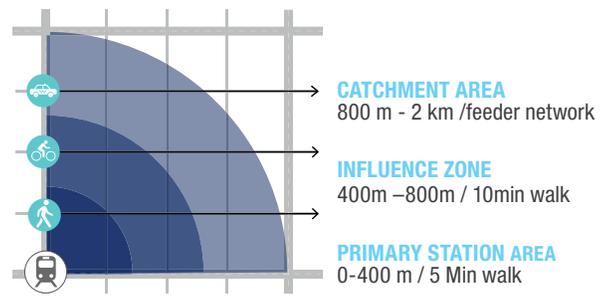
- DATA SOURCES**
- Transit System Detailed Report
 - Mobility Plan/Transport Plan
 - Master Plan/Development Plan/Comprehensive Plan

[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



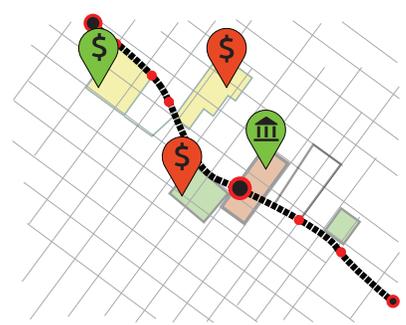
03 ANALYZE DEVELOPMENT OPPORTUNITIES



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

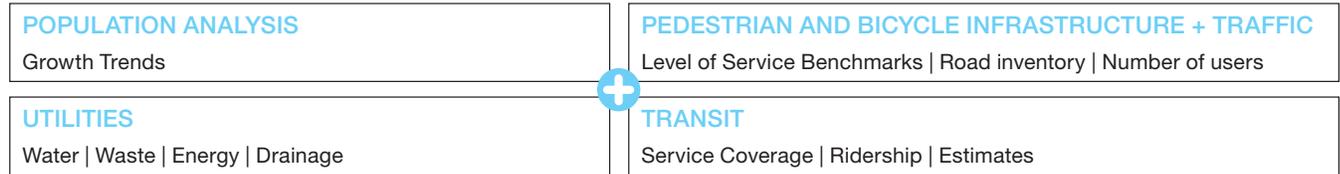


- DATA SOURCES**
- Real Estate Market Assessment Reports
 - Land Values from Real Estate Developers
 - GIS Database
 - Field Survey
 - Stakeholder Engagement
 - Existing/Proposed Land Uses
 - Flood and Vulnerability Maps (to avoid areas at risk)
 - Refer to AS-A03



04 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 and keeping in view road safety considerations.



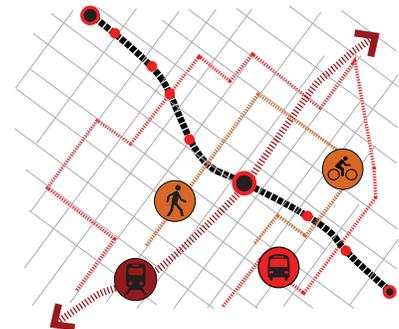
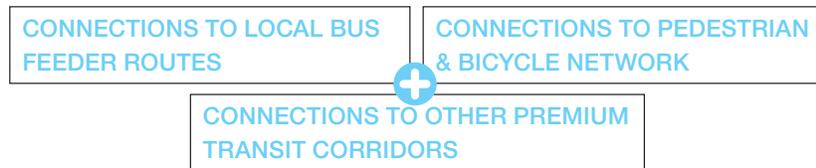
DATA SOURCES

- Transit System Detailed Report
- Master Plan/Development Plan/Comprehensive Plan
- Mobility Plan/Transport Plan/ Traffic studies
- Traffic Impact Studies
- Infrastructure Detailed report
- User count studies for peak and off-peak hours for weekend and weekdays

[Refer to **AS-H03** How to undertake Infrastructure Carrying Capacity Assessment and **AS-H04** How to do Road Safety Assessment]

05 EVALUATE CONNECTIVITY ALTERNATIVES

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



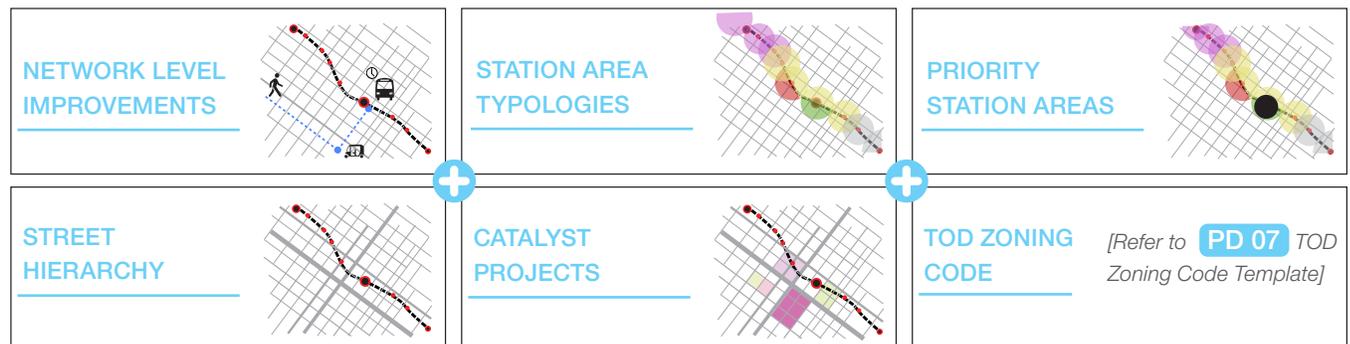
DATA SOURCES

- Bus System Detailed Report/ Paratransit studies
- Route Rationalization Studies
- Pedestrian Network Plan/ Greenway & Trail System Plans
- Cycling Network Plans
- Mobility Plan/Transport Plan
- Field Surveys
- Google Street Map

[Refer to **AS-H02** How to undertake Rapid Transit Alternative Analysis and **PD-H07** How to plan Safe Access for TOD]

06 PREPARE CORRIDOR TOD STRATEGIC PLAN

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





Greenfield BRT Corridor, Rio, Brazil