

Ethekwini's Urban Network Strategy

APRIL 2015



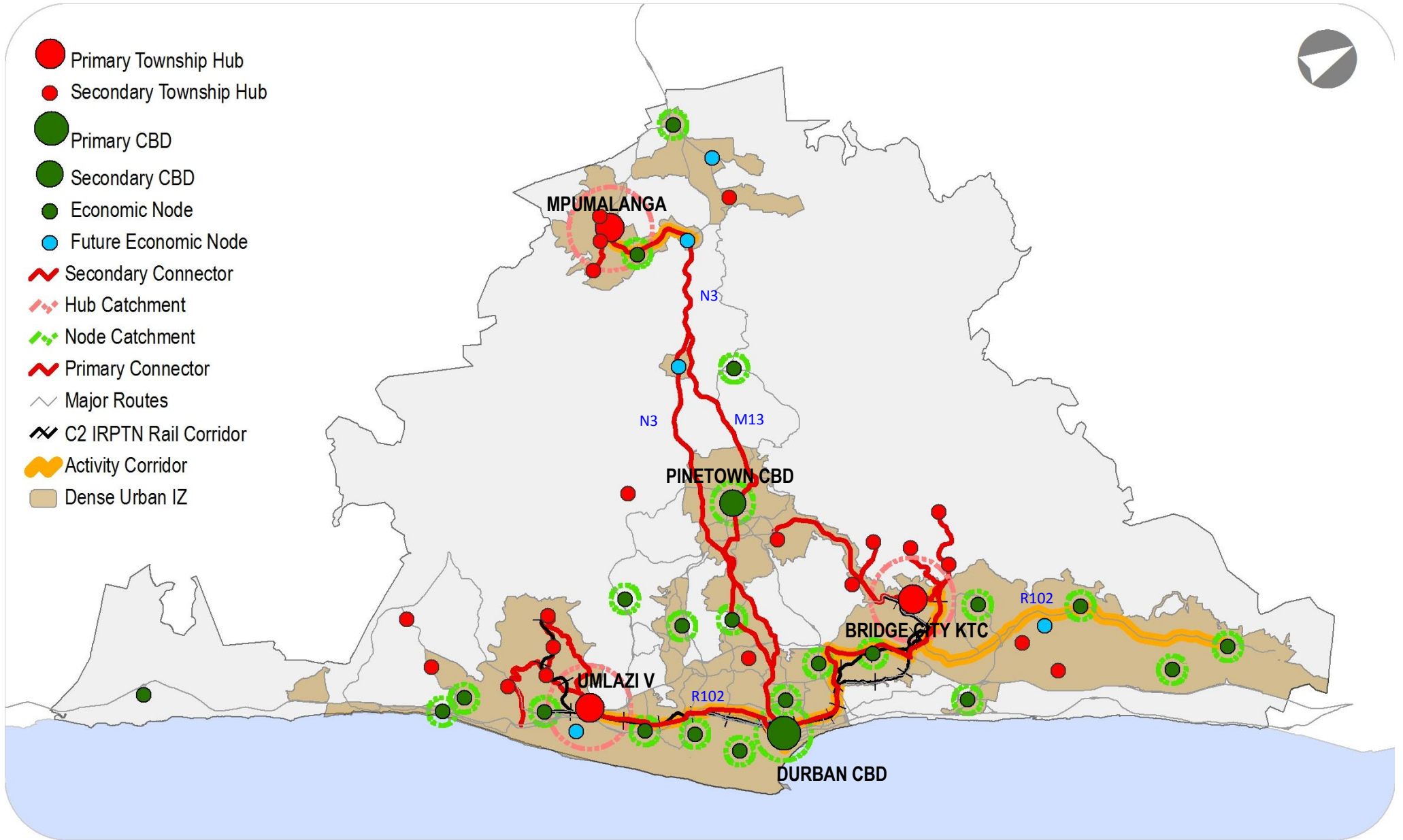
Adaptation of Default Network Elements

| DEFAULT TERM | ADAPTATION |
|---------------------------------|---|
| CBD | CBD |
| Urban Hub | Primary Township Hub |
| Secondary Urban Hub | Secondary Township Hub |
| Township Cluster | Township Cluster |
| Primary Public Transport Link | Primary Connector (i.e. from CBD to Primary Township Hub) |
| Secondary Public Transport Link | Secondary Connector (i.e. from Primary Township Hub to Secondary Township Hub) |
| Existing Municipal Nodes | Economic Node (other than CBD, Primary Township Hub or Secondary Township Hub) |
| Catchment Area (Urban Hub) | Hub Catchment |
| Catchment Area (Existing Nodes) | Node Catchment |

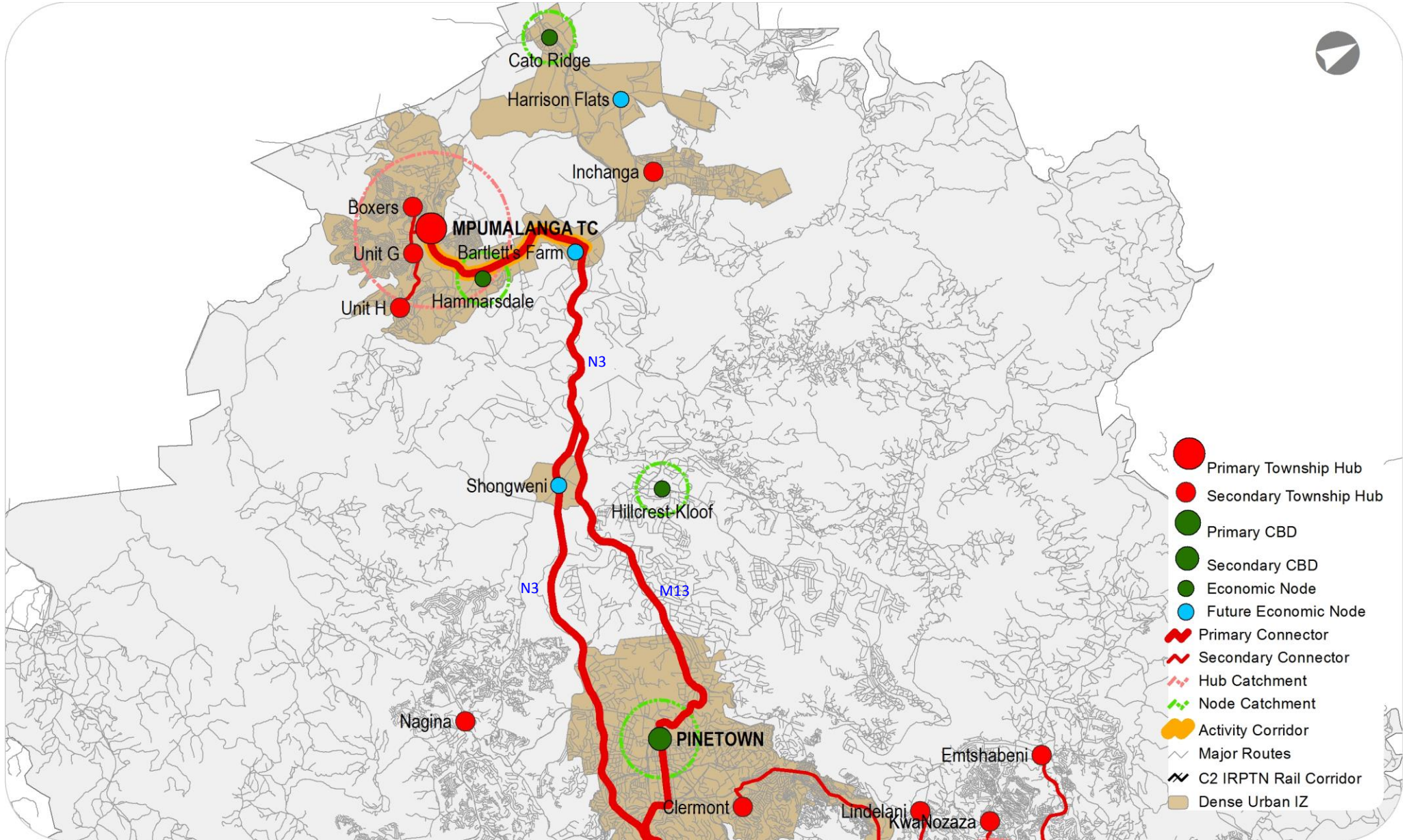
Primary Network



Primary and Secondary Network

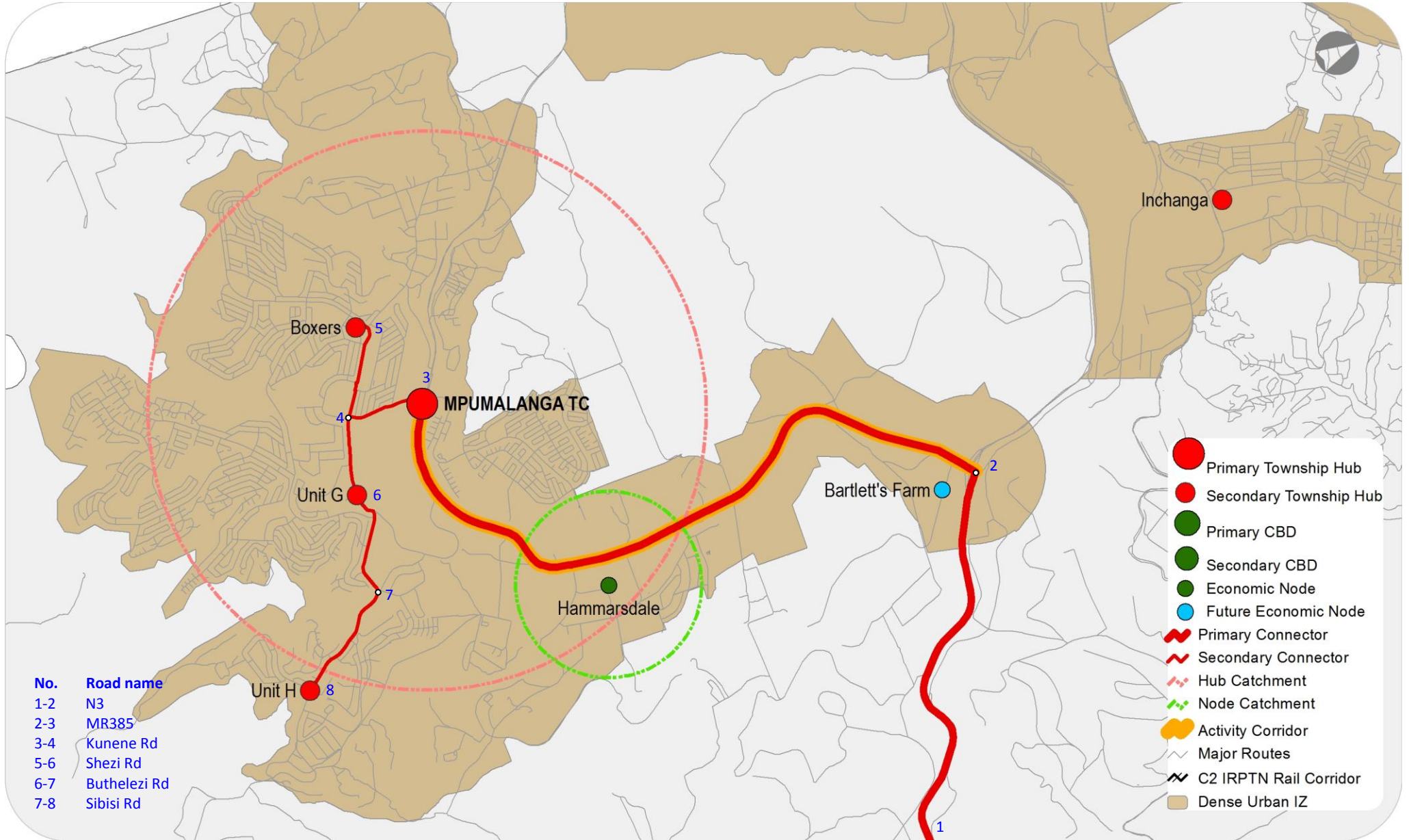


Mpumalanga Sub-Metropolitan Network



- Primary Township Hub
- Secondary Township Hub
- Primary CBD
- Secondary CBD
- Economic Node
- Future Economic Node
- Primary Connector
- - - Secondary Connector
- ⋈ Hub Catchment
- ⋈ Node Catchment
- ⬢ Activity Corridor
- Major Routes
- C2 IRPTN Rail Corridor
- Dense Urban IZ

Mpumalanga Local Network



Identification of Urban Elements - Mpumalanga

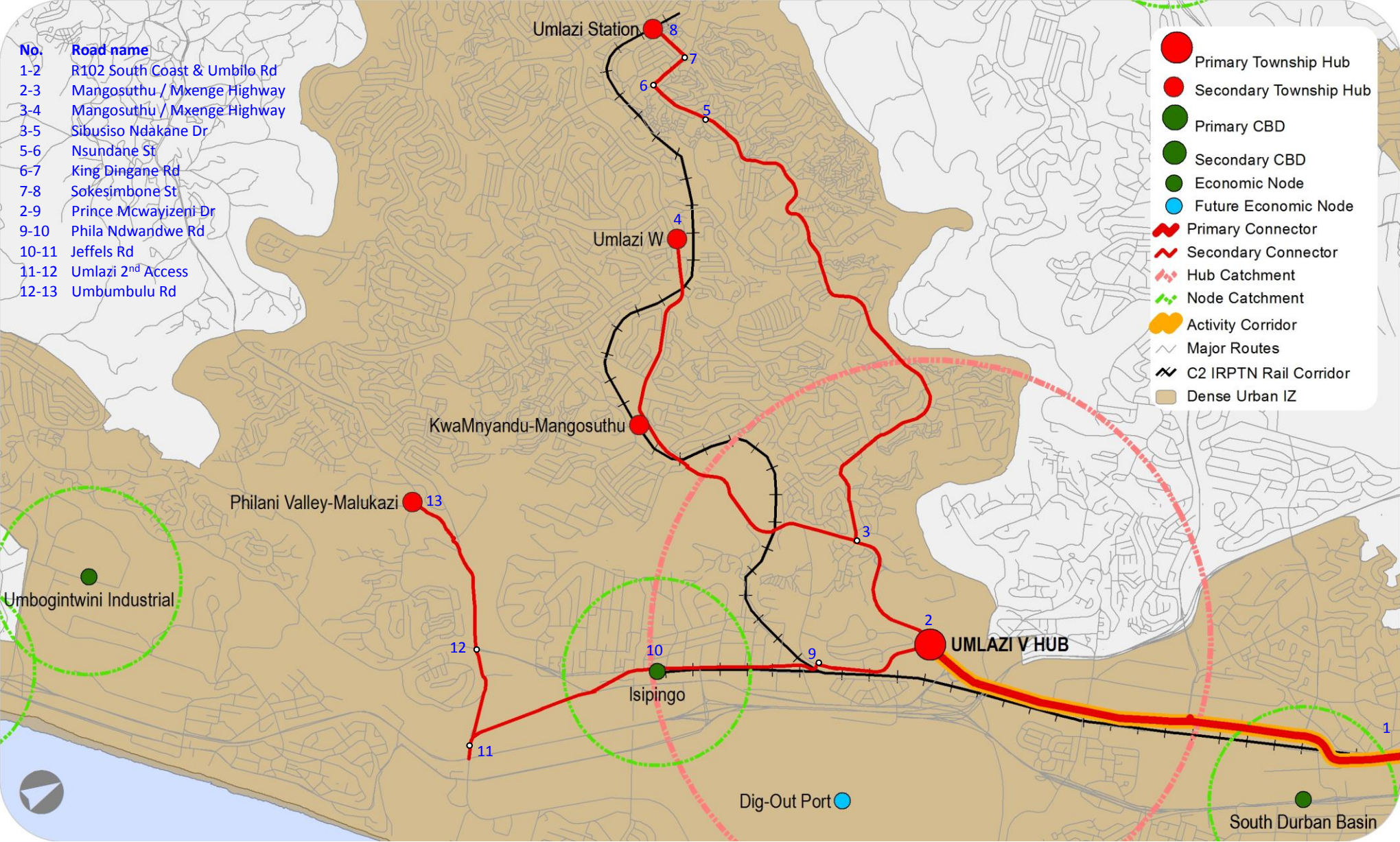
| | |
|---|--|
| CBD | Durban |
| EXISTING NODES | <p>Pinetown (Secondary CBD)</p> <p>Hammarsdale</p> <p>Cato Ridge</p> <p>Shongweni (Proposed)</p> <p>Hillcrest-Kloof</p> |
| ACTIVITY CORRIDOR INFILL | Interchange N3 along MR 385 Hammardale to Mpumalanga TC |
| PRIMARY TOWNSHIP HUB | Mpumalanga New Town Centre |
| PT LINK - PRIMARY TOWNSHIP HUB TO CBD | <p>N3 via MR385</p> <p>M13 via N3</p> <p>The N3 is as an express PT route between Mpumalanga / Hammarsdale to Durban CBD. The M13 works as a high friction route to Pinetown and Durban CBD. The two routes complement each other, work as a double-strand corridor, and form one integral system.</p> |
| SECONDARY TOWNSHIP HUBS | <p>Boxers's</p> <p>Unit G</p> <p>Unit H</p> |
| PT LINK – FROM PRIMARY TOWNSHIP HUB TO SECONDARY TOWNSHIP HUBS | Kunene Road then right onto Shezi Road to Boxer's |
| | Kunene Road then left onto Shezi Road to Unit G |
| | Kunene Road then left on to Shezi Road proceeding straight on to Buthelezi Rd proceeding straight on to Sibisi Road to Unit H |

Umlazi Sub-Metropolitan Network



- Primary Township Hub
- Secondary Township Hub
- Primary CBD
- Secondary CBD
- Economic Node
- Future Economic Node
- Primary Connector
- Secondary Connector
- Hub Catchment
- Node Catchment
- Activity Corridor
- Major Routes
- C2 IRPTN Rail Corridor
- Dense Urban IZ

Umlazi Local Network



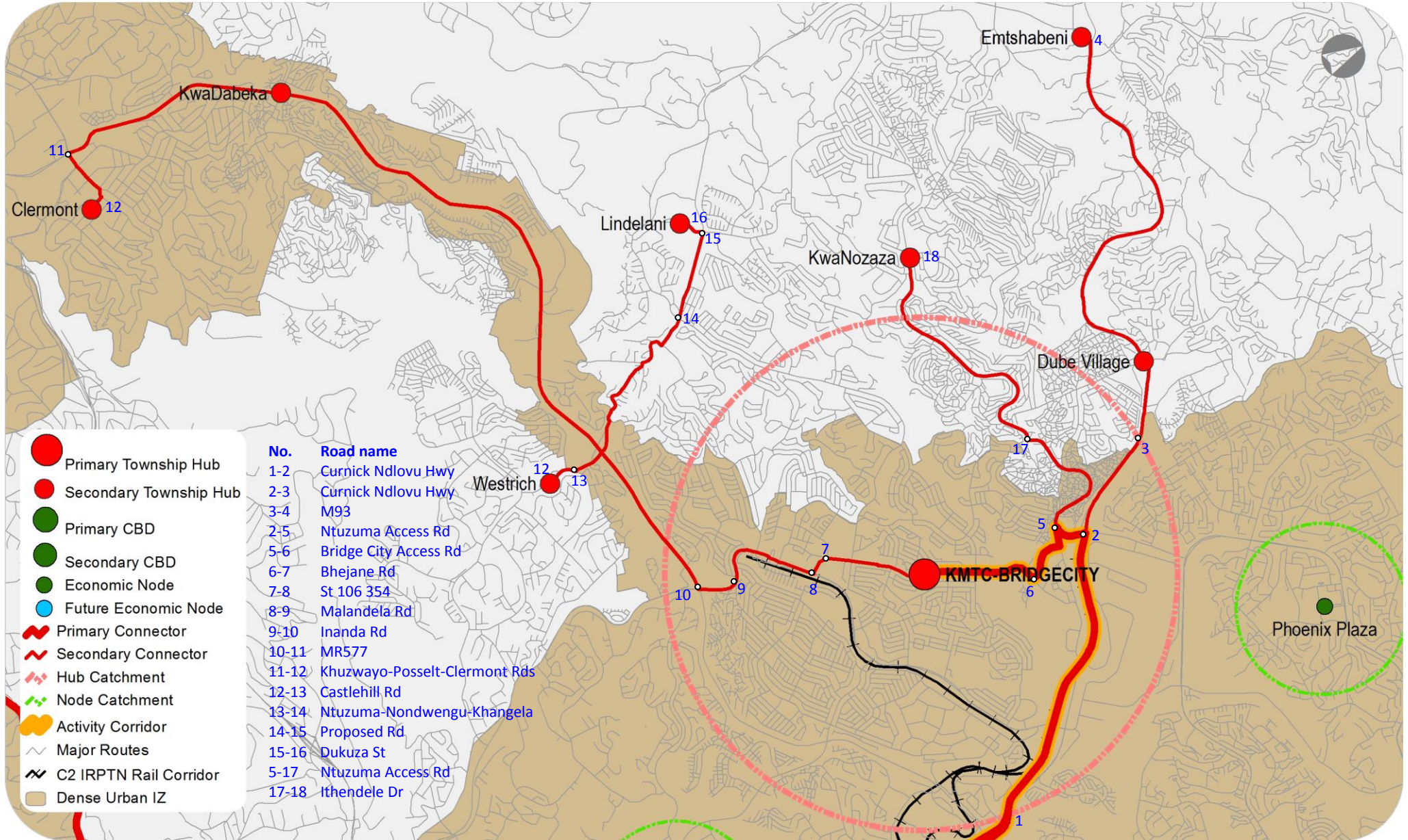
Identification of Urban Elements – Umlazi

| | |
|---|--|
| CBD | Durban |
| EXISTING NODES | South Basin Industrial (Prospecton & Mobeni) Dig-Out Port Industrial (Proposed) Toti Town Centre Umbogintiwini Industrial Isipingo Town Centre |
| ACTIVITY CORRIDOR INFILL | R102 South Coast Road & Umbilo Road to Warwick Junction |
| PRIMARY TOWNSHIP HUB | Umlazi V-Node |
| PT LINK - PRIMARY TOWNSHIP HUB TO CBD | C2 IRPTN Rail and R102 South Coast & Umbilo Rd to Durban CBD The primary link to Durban CBD is a double-strand corridor comprising C1 Rail and 102 South Coast & Umbilo Rd. The two routes are interdependent, and form one integral system. It is not possible to prioritise one over the other. |
| SECONDARY TOWNSHIP HUBS | Kwamnyandu-Mangosuthu W Node Umlazi Station Philani Valley-Malukazi |
| PT LINK – FROM PRIMARY TOWNSHIP HUB TO SECONDARY TOWNSHIP HUBS | to Umlazi Station |
| | Mangosuthu / Mxenge Highway to KwaMnyandu-Mangosuthu |
| | Mangosuthu / Mxenge Highway to Umlazi W |
| | Mangosuthu / Mxenge Highway then right on to Sibusiso Ndakane Dr, proceeding straight on to Nsundane St then right on to King Dingane Rd then left on to Sokesimbone St to Umlazi Station |
| | Prince Mcwayizeni Dr proceeding straight on to Phila Ndwandwe Rd proceeding straight on to Jeffels Rd then right on to the proposed Umlazi 2 nd Access proceeding straight on to Umbumbulu Rd to Philani Valley-Malukazi |

INK Sub-Metropolitan Network



INK Local Network



Identification of Urban Elements – INK

| | | |
|--|---|---|
| CBD | Durban | |
| EXISTING NODES | Pinetown (Secondary CBD) Umhlanga Mount Edgecombe Phoenix Plaza Phoenix Industrial | Verulam Town Centre Cornubia Industrial Riverhorse Industrial Springfield Industrial |
| ACTIVITY CORRIDOR INFILL | Malandela Road Mbhejane Road | R102 and Chris Hani Road to Warwick R102 to Tongaat (Corridor Extension) |
| PRIMARY TOWNSHIP HUB | Kwamashu Town Centre & Bridge City | |
| PT LINK - PRIMARY TOWNSHIP HUB TO CBD | Rail and R102 Umgeni Chris Hani Inanda Rd (or alternative via Springfield) to Durban CBD | |
| SECONDARY TOWNSHIP HUB | KwaNozoza (Proposed) Emtshabeni Lindelani Westrich (Proposed) | Dube Village KwaDabeka Clermont |
| PT LINK - PRIMARY TOWNSHIP HUB TO SECONDARY TOWNSHIP HUBS | Bhejane Rd proceeding straight on to Bridge City Access Rd then right on to Ntuzuma Access Rd then left on to Curnick Ndlovu Hwy proceeding straight on to M93 to Dube Village | |
| | Bhejane Rd proceeding straight on to Bridge City Access Rd then right on to Ntuzuma Access Rd then left on to Curnick Ndlovu Hwy proceeding straight on to M93 to Emtshabeni | |
| | Bhejane Rd proceeding straight on to Bridge City Access Rd proceeding straight on to Ntuzuma Access Rd proceeding straight on to Ithendele Dr to KwaNozaza (proposed node) | |
| | Bhejane Rd proceeding straight on to St 106 354 proceeding straight on to Malandela Rd proceeding straight on to Inanda Rd then right on to MR577 to KwaDabeka | |
| | Bhejane Rd proceeding straight on to St 106 354 proceeding straight on to Malandela Rd proceeding straight on to Inanda Rd then right on to MR577 then left on to Khuzwayo Rd proceeding straight on to Posselt proceeding straight on to Clermont Rds to Clermont | |
| | Bhejane Rd proceeding straight on to St 106 354 proceeding straight on to Malandela Rd proceeding straight on to Inanda Rd then right on to MR577 then left on to Ntuzuma Access Rd proceeding straight on to Castlehill Rd to Westrich (proposed node) | |
| | Bhejane Rd proceeding straight on to St 106 354 proceeding straight on to Malandela Rd proceeding straight on to Inanda Rd then right on to MR577 then right on to Ntuzuma Access Rd proceeding straight on to Nondwengu Rd proceeding straight on to Khangela Rd to Lindelani | |