

A RE YENG

SABOA 2016 NATIONAL CONFERENCE AND EXHIBITION

10 March 2016



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PLANNING APPROACH

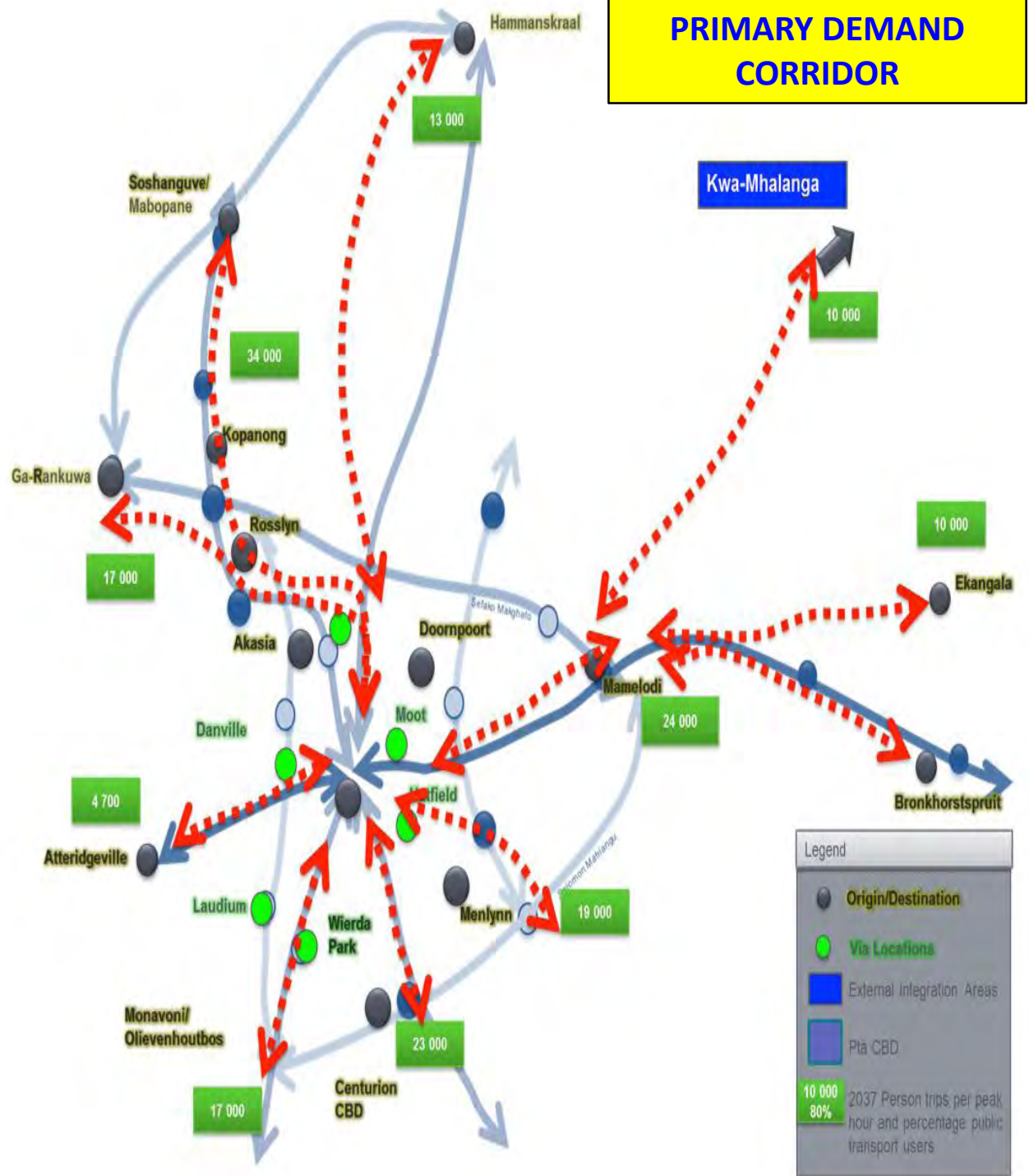


Public Transport Demand

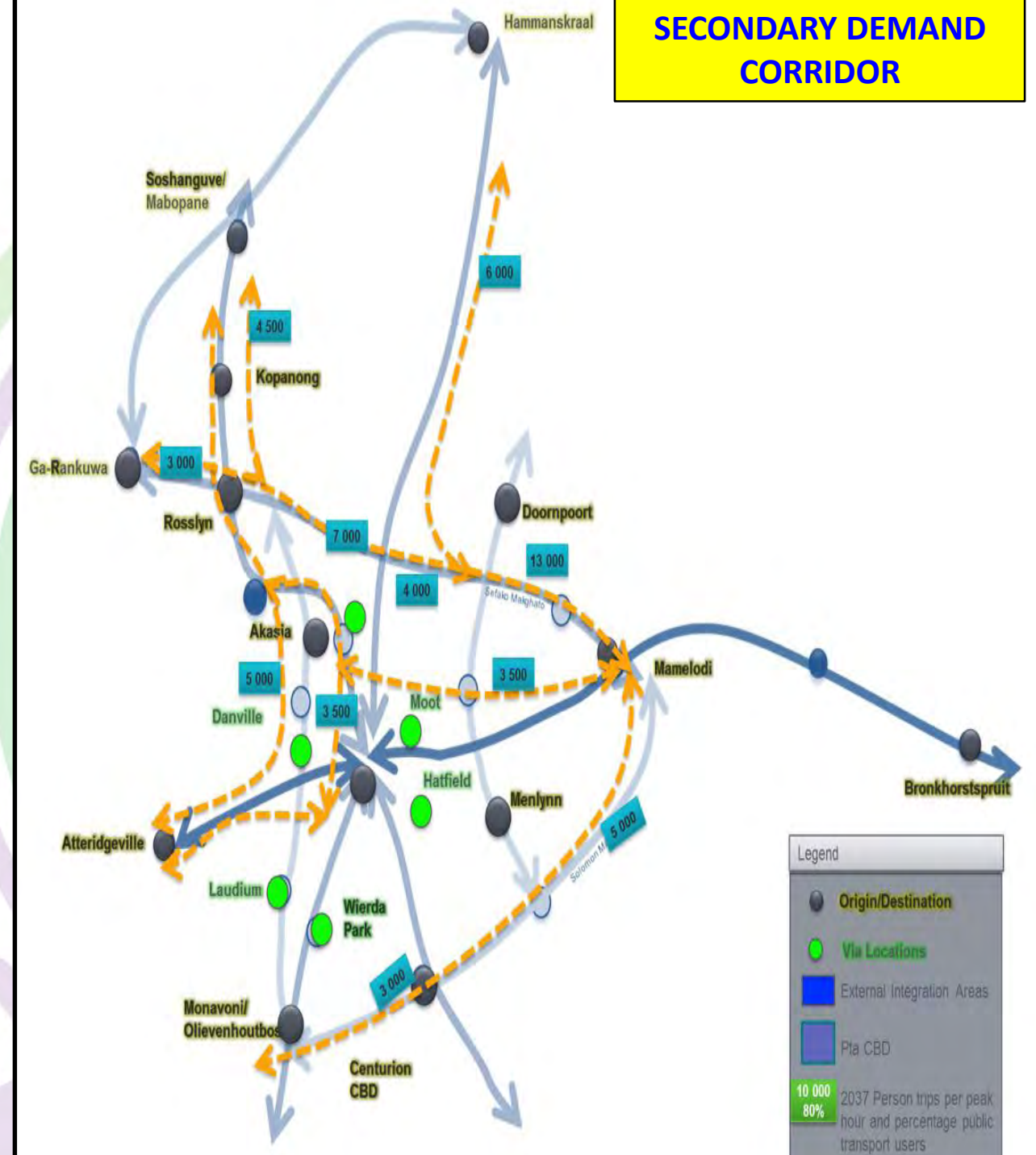
Area	Total Trips (Emme model 2037)	Distance to CBD	Public Transport Percentage
Soshanguve North	270 000	35 km	90%
Soshanguve South	89 000	24 km	72%
Hammanskraal	85 000	50 km	90%
Daspoort	152 000	10 km	53%
Atteridgeville	48 000	15 km	80% (Taxi 42%)
Mamelodi	218 000	26 km	72%
Monavoni/The Reeds	40 000	22 km	60%
The East	290 000	15 km	40%
Centurion	340 000	22 km	50%
Pretoria North	112 000	12 km	56%

City of Tshwane Demand Corridor

PRIMARY DEMAND CORRIDOR



SECONDARY DEMAND CORRIDOR



City of Tshwane - IRPTN Network - 2037 plan



A RE YENG PHASE 1 NETWORK



Objectives for the A Re Yeng

A Quality Service which will be:

- Affordable;
- Fast;
- Reliable; and above all
- **SAFE.**

Phase-1 Network – Planning nodes

Soshanguve
(Kopanong)

Roslyn
industrial

Line 1C
13km

Akasia

Line 1B
10km

Wonderboom

Line 1A
9km

Hatfield

Pretoria CBD
- Pretoria Station
- Belle Ombre

Line 2A
7km

Line 2B
10km

Menlyn

Line 2C
11km

Watloo
industrial

Mamelodi
(Denneboom)

Line 2D
9km

Mahube Valley

BRT/Rail interchange

IMPORTANT NODES

- Six rail integration nodes
- Industrial area connected
 - ✓ Rosslyn
 - ✓ Watloo

Total Length = 69km

CURRENT ACHIEVEMENTS



A RE YENG SYSTEM

Current Achievements

Bus-way Lanes

- To date 14,29 km of Bus-way lanes have been constructed for Line 2A & Line 1A
- The inception phase project was launched in November 2014.

Stations

- 7 Stations in Line 2A (CDB to Hatfield to CBD)
- 5 Stations in Line 1A (CBD to Wonderboom (Rainbow Junction))
- Taxi Transfer Facility currently under construction at Wonderboom

NMT

- Approximately 65.9km length of NMT infrastructure were designed to comply with universal access design standards.

Depots

- TBS Depot – Shared facility completed in 2014 with a storage capacity of 30 A Re Yeng buses.
- Construction of CNG Depot at Belle Ombre commenced, expected completion Feb 2017

Feeder Stops.

- Installation of 61 poles and 17 shelters were completed on Line 2A.
- 46 temporary poles manufactured and placed at additional bus stops.



A RE YENG SYSTEM

Current Achievements

EMV

- The EMV AFC system on Phase 1A (Line 2A) has gone live on 1 March 2016.
- The migration from MiFare to EMV system is on process.

Bus Fleet

- Fleet size for Line 1A and Line 2A is 114 buses
 - 7 x Articulated diesel buses (18m long)
 - 40 x Standard CNG buses (12m long)
 - 67 x Standard diesel buses (12m long)
- Total of 67 buses procured and delivered for operations
- Successful launch of CNG buses in October 2015

Ridership

- Commuters increased from 60,177 in December 2015 to 74,269 in January 2016 (19% increase)
- Average passengers per day is 3, 376
- 34 361 cards sold by January 2016 since inception



A RE YENG SYSTEM

Current Achievements

MOLEFE MAKINTA



RIVONIA TRIAL



A RE YENG SYSTEM

Current Achievements

ENOCH SONTONGA

ANTON LEMBEDE



A RE YENG SYSTEM

Current Achievements



7 YEAR PLAN



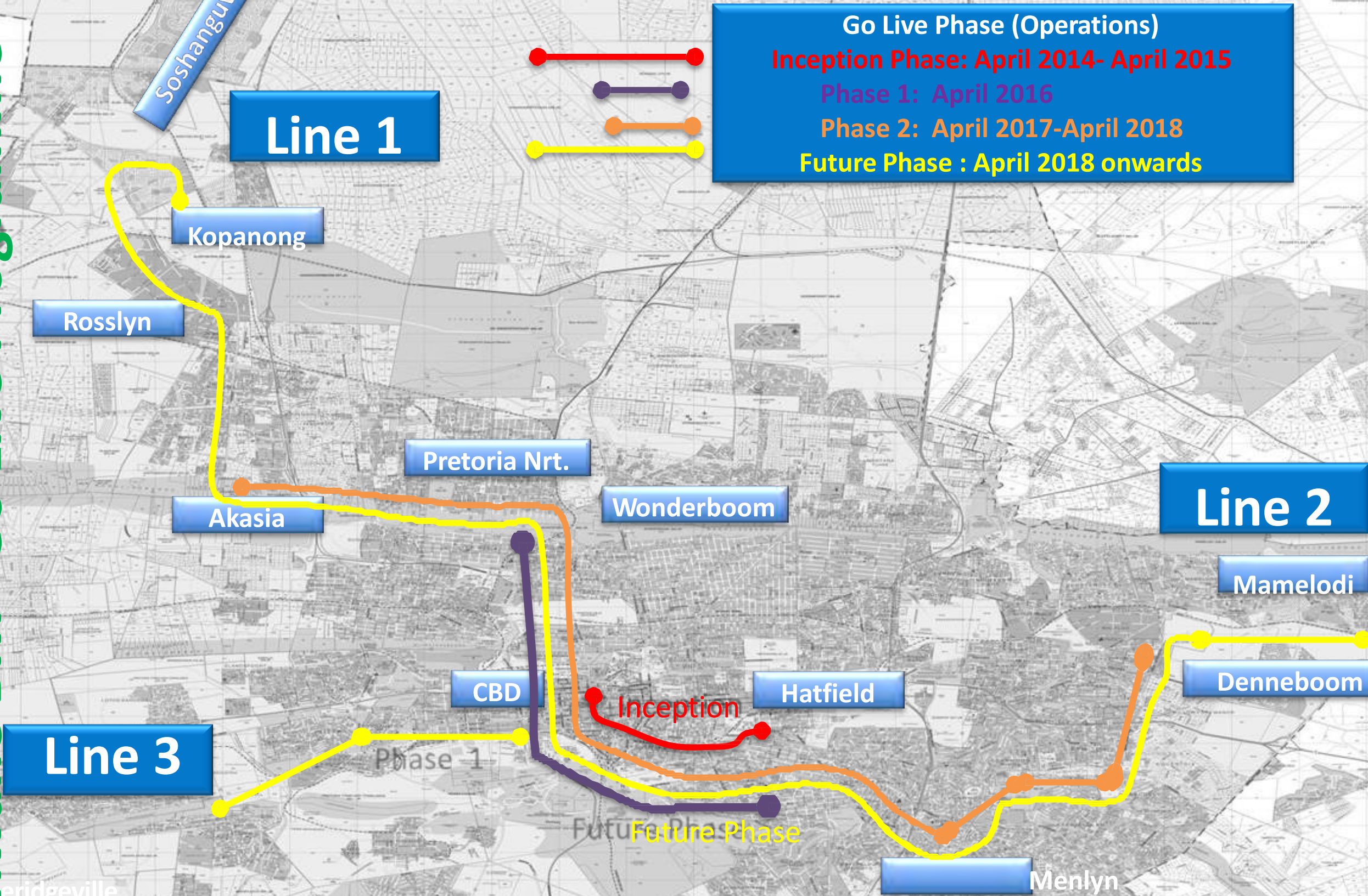
A RE YENG SYSTEM

PHASE 1B and 1C – Rainbow Junction to Denneboom

7 Year Plan

- Over next five years, 3 A Re Yeng trunk lines will be completed.
- Totalling approximately 69km in length.
- Possible inclusion of Line3 (Atteridgeville).
- Feeder bus network in excess of 100km.
- Three depots at Belle Ombre, Rainbow Junction and Denneboom
- Approximately 35 Trunk Stations, 2 Intermodal facilities and 2 Terminals integrated with rail.

Tshwane BRT - Go Live Programme



Roll-out and phasing of BRT trunk and QBS corridors

RIDERSHIP

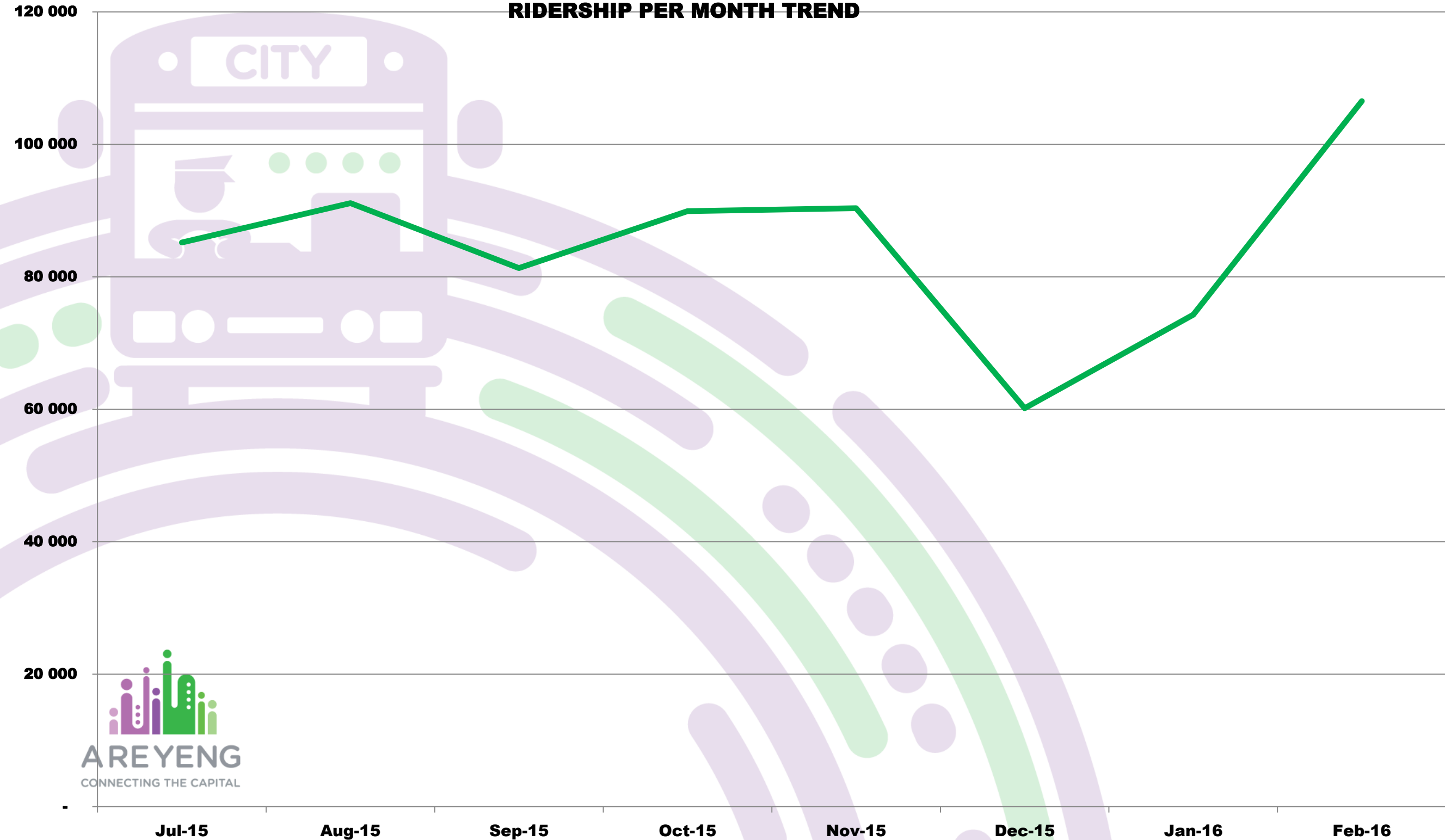


Monthly Ridership Per ROUTE

Month	Trunk T1	F01	F04:	F05:	F06:
ROUTE	Hatfield to Pretoria CBD	Sunnyside - Steve Biko Hospital	Sunnyside-Muckelneuk - Groenkloof	Pretoria CBD Clockwise	Pretoria CBD Anti Clockwise
Jul-15	71 243	7 199	4 185	1 784	770
Aug-15	77 646	7 147	3 939	1 722	668
Sep-15	68 428	6 711	4 007	1 590	593
Oct-15	75 183	6 770	4 609	2 322	1 018
Nov-15	75 634	7 464	4 500	1 984	784
Dec-15	50 137	5 331	2 712	1 404	586
Jan-16	61 101	7 326	3 469	1 528	845
Feb-16	88 938	9 095	5 391	2 071	1 021

Monthly Ridership Trend

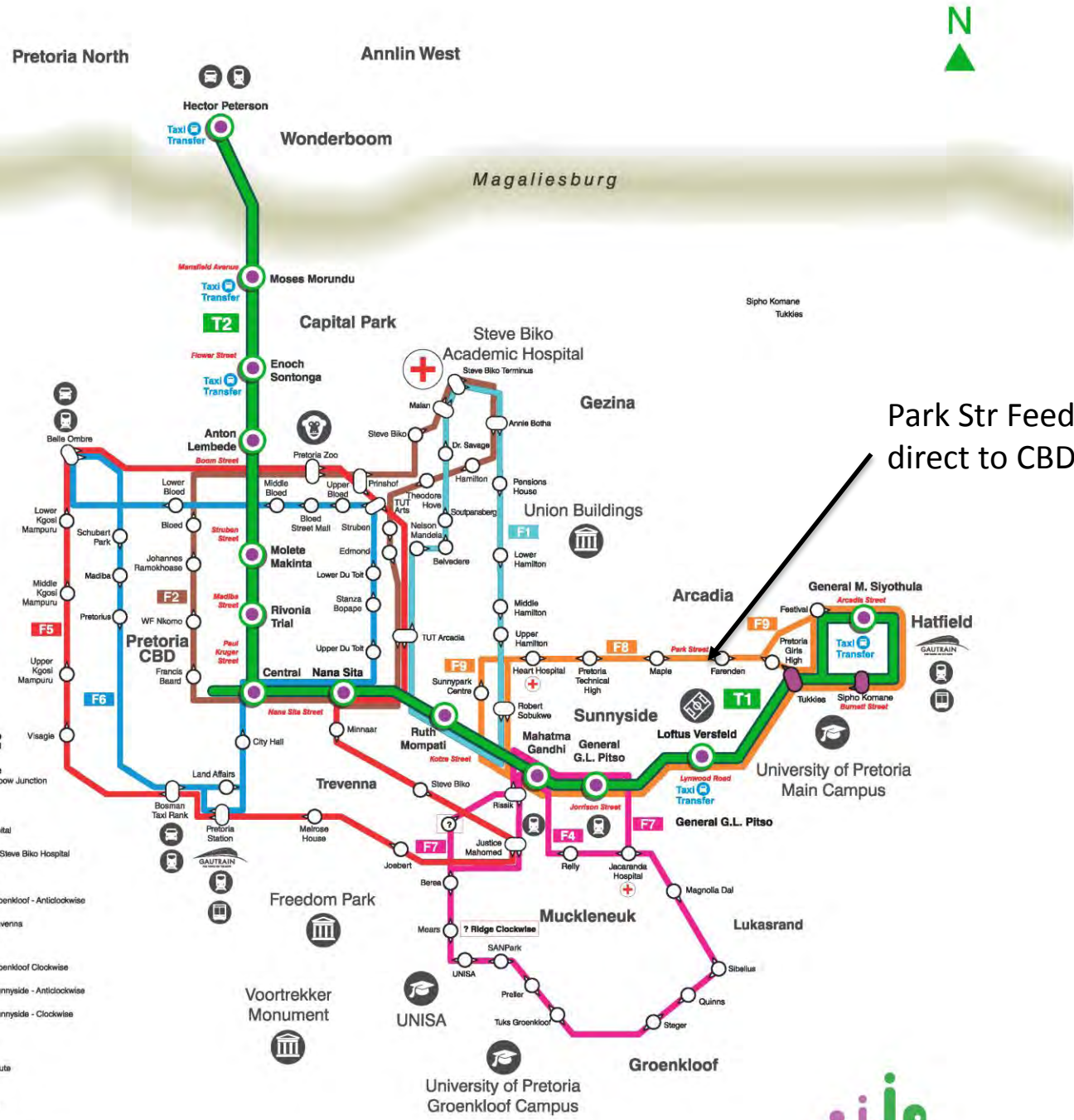
RIDERSHIP PER MONTH TREND



2016 ROLL-OUT PLAN



April Go Live 2016 SYSTEM MAP



Park Str Feeder to be re-routed direct to CBD

Legend

- Trunk Routes**
- T1** A Re Yeng Trunk Route Central - Sunnyside - Hatfield
- T2** A Re Yeng Trunk Route Central - Capital Park - Rainbow Junction
- Feeder Routes**
- F1** Sunnyside - Steve Biko Hospital
- F2** Pretoria CBD - Pretoria Zoo - Steve Biko Hospital
- F3** Future planned feeder route
- F4** Sunnyside - Muckleneuk - Groenkloof - Anticlockwise
- F5** Pretoria CBD - Clockwise - Travensers
- F6** Pretoria CBD - Anticlockwise
- F7** Sunnyside - Muckleneuk - Groenkloof Clockwise
- F8** Hatfield - Park Road Link - Sunnyside - Anticlockwise
- F9** Hatfield - Park Road Link - Sunnyside - Clockwise
- Station Symbols**
- Green Circle** A Re Yeng Trunk Station
- Red Circle** Kerb-side Stops on Trunk Route
- Blue Circle** Feeder Stops
- White Circle** Informal Taxi Feeder System
- Red Line** Street Identifiers

Routes, stops and stop names are subject to change.

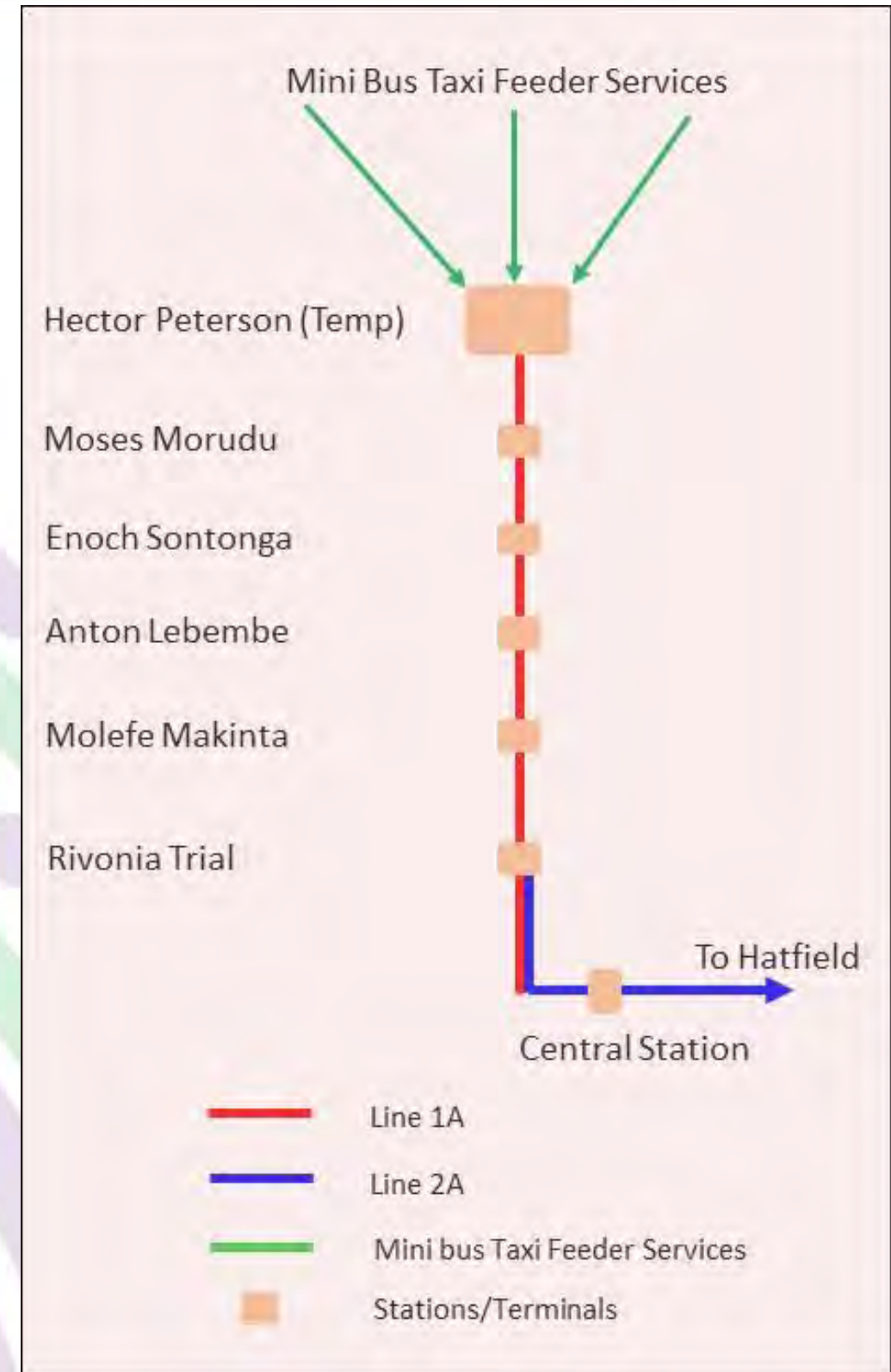
Call Centre **012 358 4848**
www.areyengtshwane.co.za
 Facebook: **A Re Yeng** Twitter: **@A_Re_Yeng**



A RE YENG SYSTEM

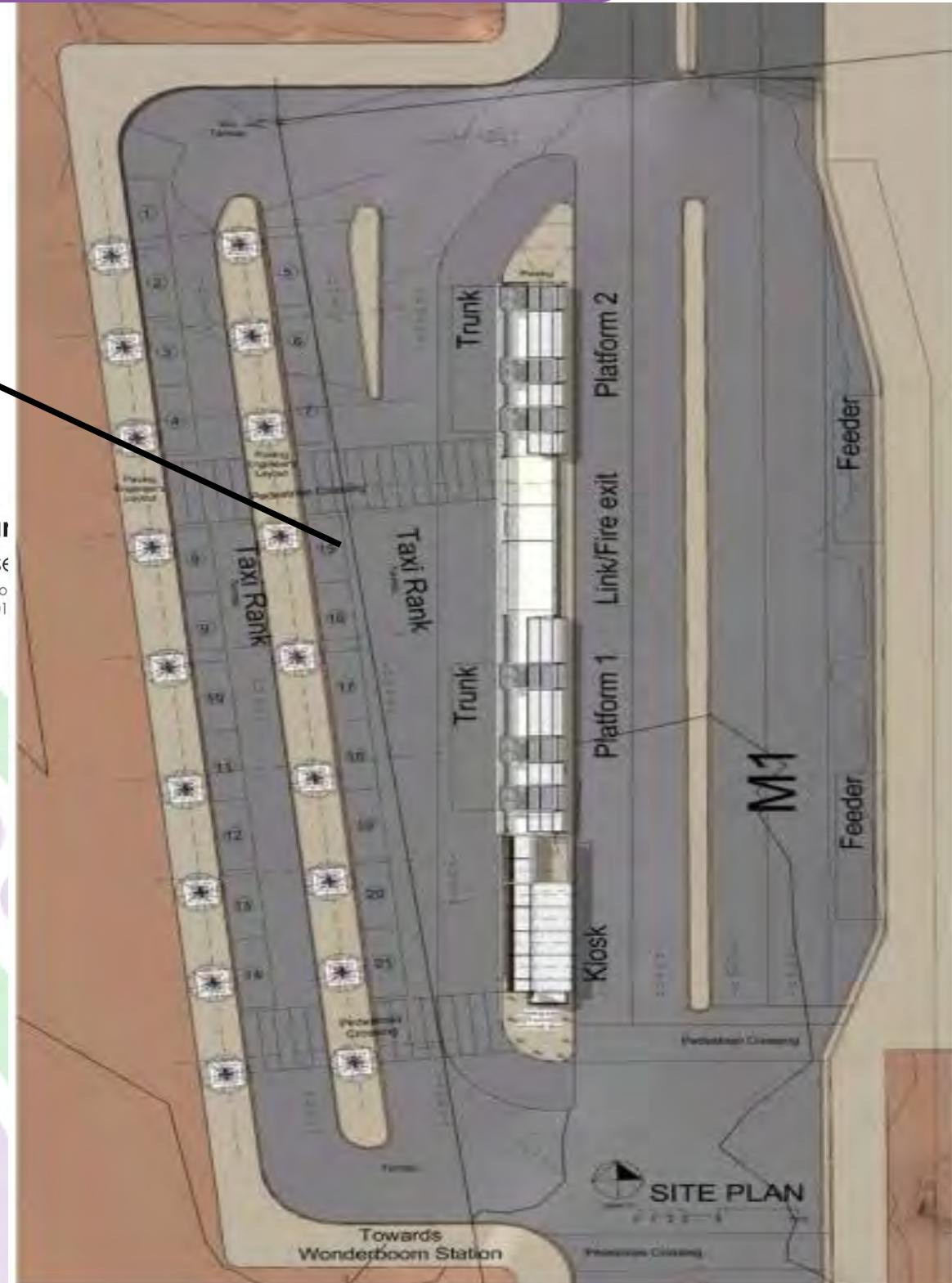
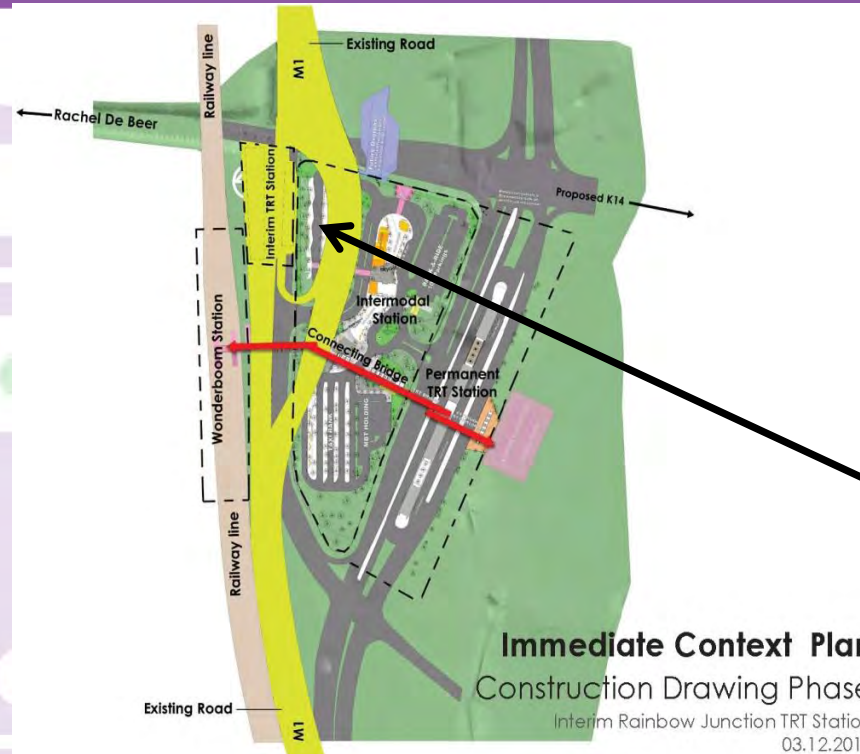
Line 1A 2016 – System Concept

- The system concept (April 2016) for Line 1A consists of the following elements :
 - A trunk line service between the temporary Hector Peterson Terminal at Wonderboom Rail Station and the Rivonia Trial Station at Church Square.
 - A proportion of mini bus taxis from the northern areas will terminate their existing services at the temporary Hector Peterson Terminal, thereby acting as feeder services to the AREYENG System.
 - Further, mini bus taxi services will also feed into the AREYENG service along the corridor at the Moses Morudu and Enoch Sontonga Stations by means of taxi laybys along the side streets
 - Line 1A will integrate with Line 2A (Hatfield services) at the Rivonia Trial Station, although some services may run directly between the Hector Peterson Terminal and General M Soyothula Station in Hatfield.



Line 1A Intermodal Facility June- 2016

- The terminal station in the north is the Hector Peterson Station, which will be operational until October 2017, (Phase 1) when the full intermodal facility is operational. (Phase 2)
- This facility has been design to cater for two AREYENG loading bays (standard or articulated buses) and 20 minibus taxi bays.
- In addition to this, the facility is directly adjacent to the Wonderboom Rail Station, thus catering for bus, taxi and rail interchange.



PHASE 1 AFFECTED OPERATORS



A RE YENG SYSTEM

Affected operators

Affected taxi associations

- Phase 1 affected 19 x taxi associations

Affected buses

- Phase 1 affected 3 x bus industry

Consultation

- Consultation started in 2009 through **Taxi Industry Project Management Unit (TIPMU) Steering Committee** and **Bus Steering Committee (BSC)** and are continuous on monthly basis.
- The TRT (Pty) Ltd was established for the affected operators for the operation of the A Re Yeng services on the basis of a negotiated contract as prescribed by NLTA
- Both taxi and bus industry are represented in the TRT (Pty) :Ltd
- Model for negotiations for compensation is as per Section 41(1)(a) of the NLTA
- Model of Full Clearance and Permanent Compensation will be used.
 - All affected operator vehicles will be fully cleared from the A Re Yeng corridors in line with the fleet capacity to be introduced and will receive permanent compensation.

