

North South Corridor Roads & Border Posts



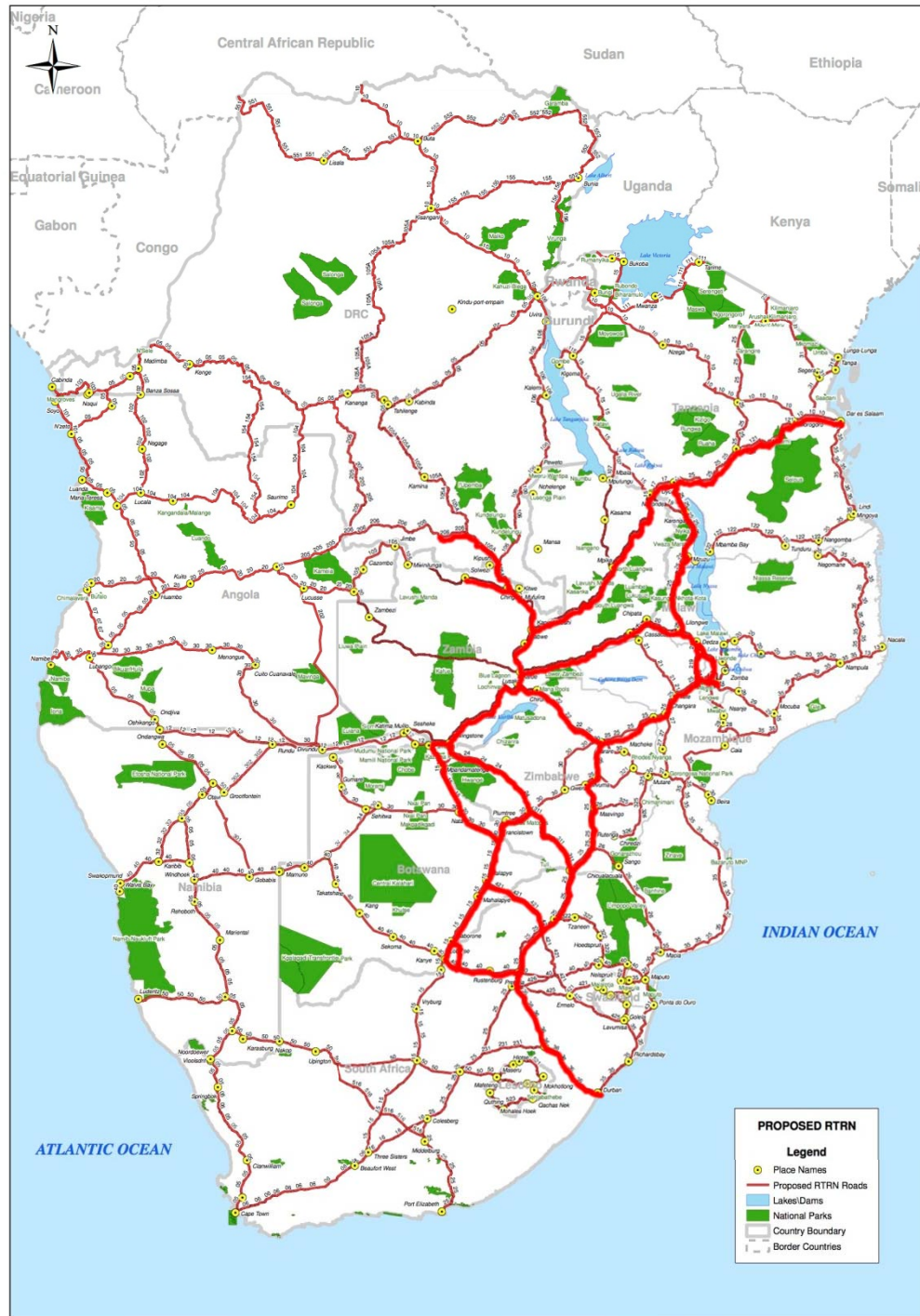
Continental Infrastructure Seminar
Addis Ababa 1st – 3rd October 2013

John Patrick Donovan
Programme Manager Corridors
(TMSA)

North South Corridor Roads and Border Posts Presentation Outline:

- 1. What is the North South Corridor?**
- 2. Why is the North South Corridor so important to Regional Trade?**
- 3. Chirundu Border Post.**
- 4. 20 year intervention programme for North South Corridor roads.**
- 5. Focus on Investment.**

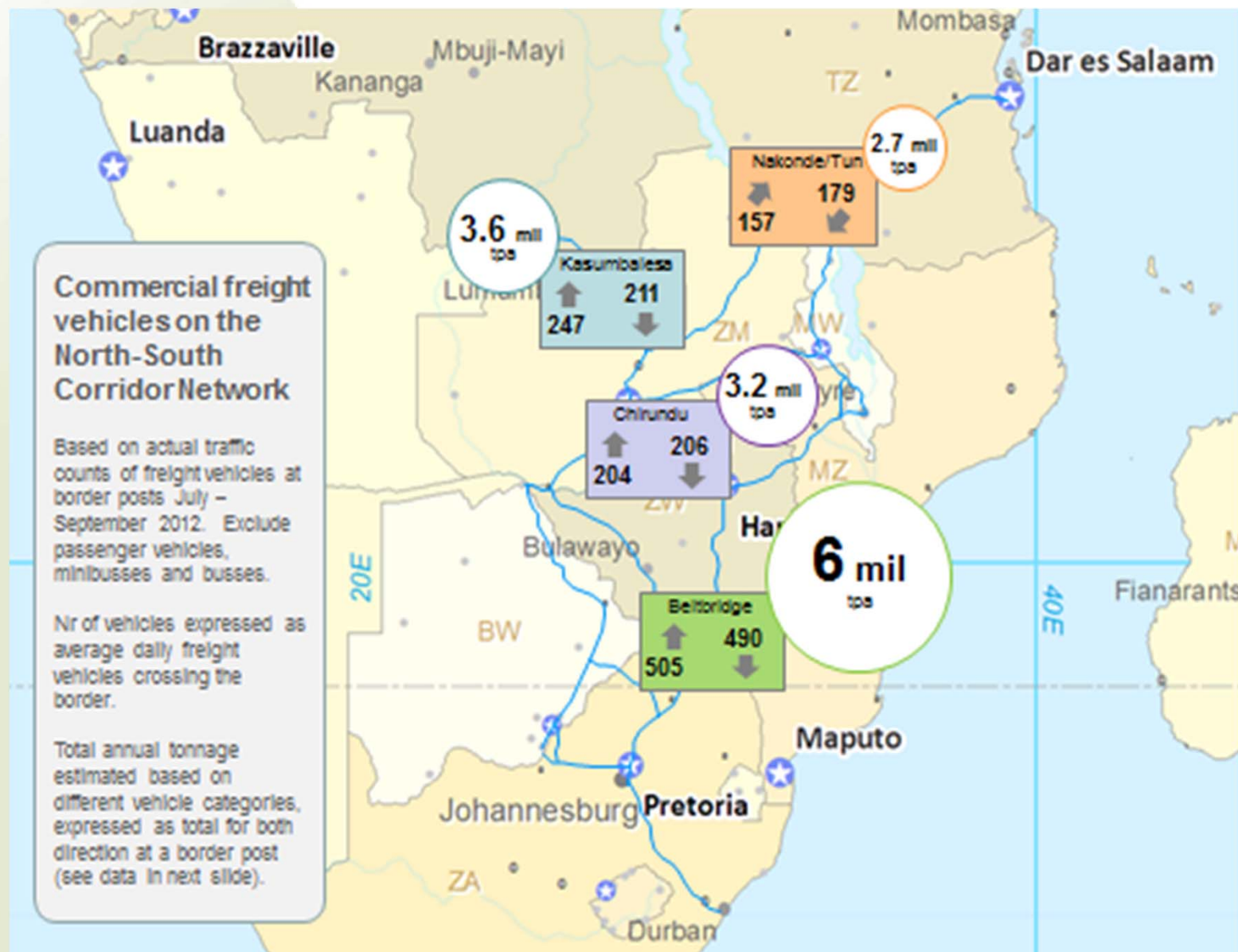
SADC REGIONAL TRUNK ROAD NETWORK



North-South Corridor Networks

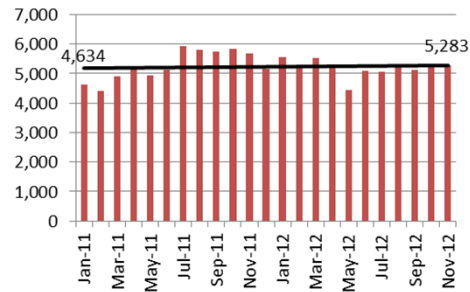
Road Conditions (as at December 2012)





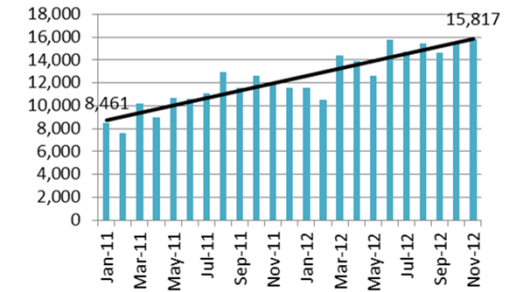
Kasumbalesa

Total Nr of Vehicles Crossing per Month (North- and Southbound)



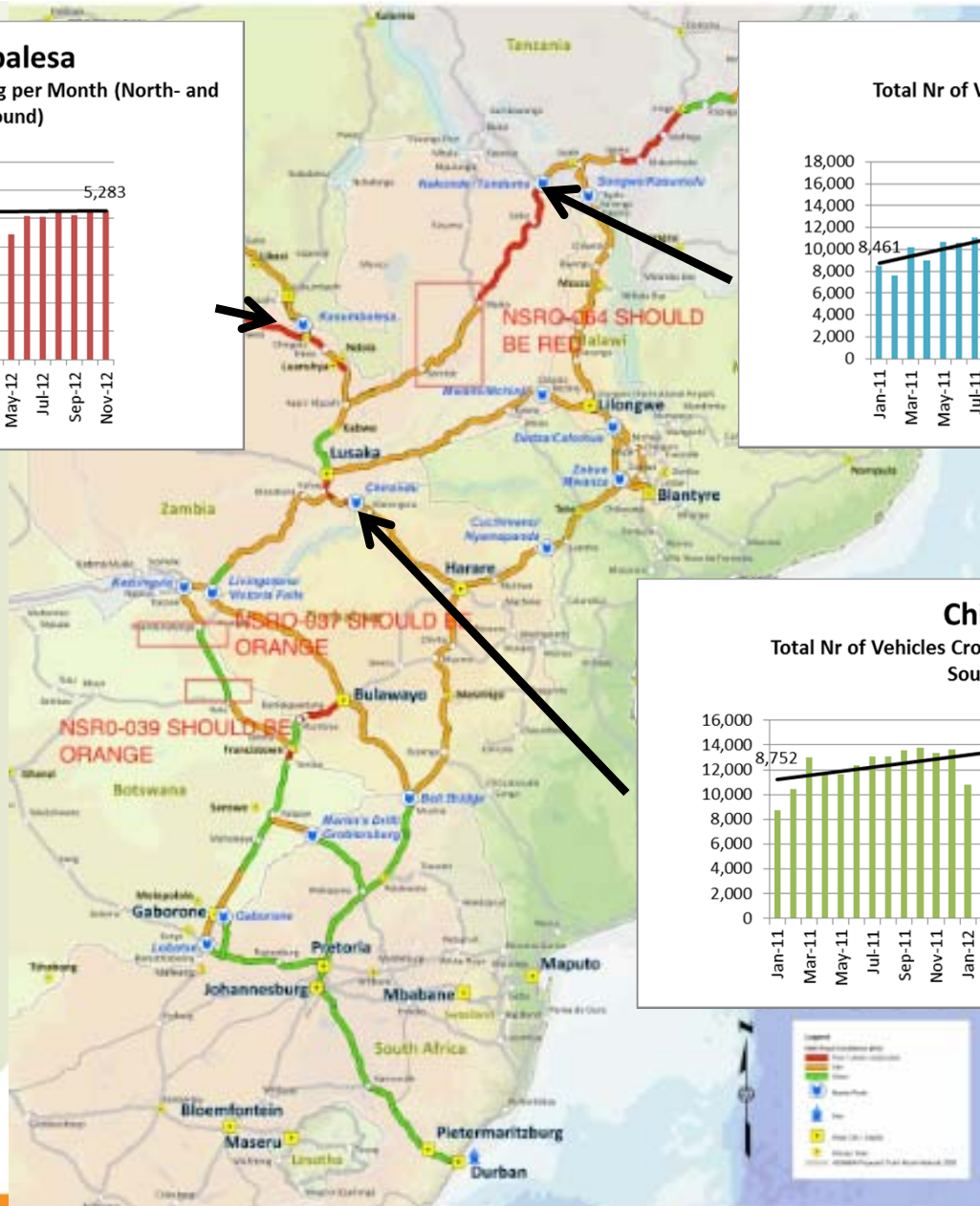
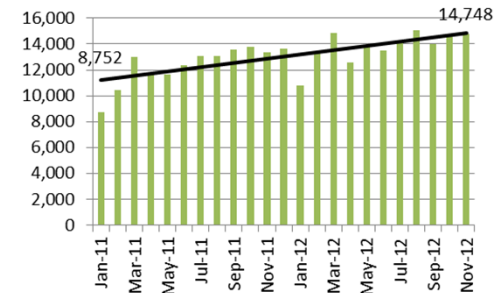
Nakonde

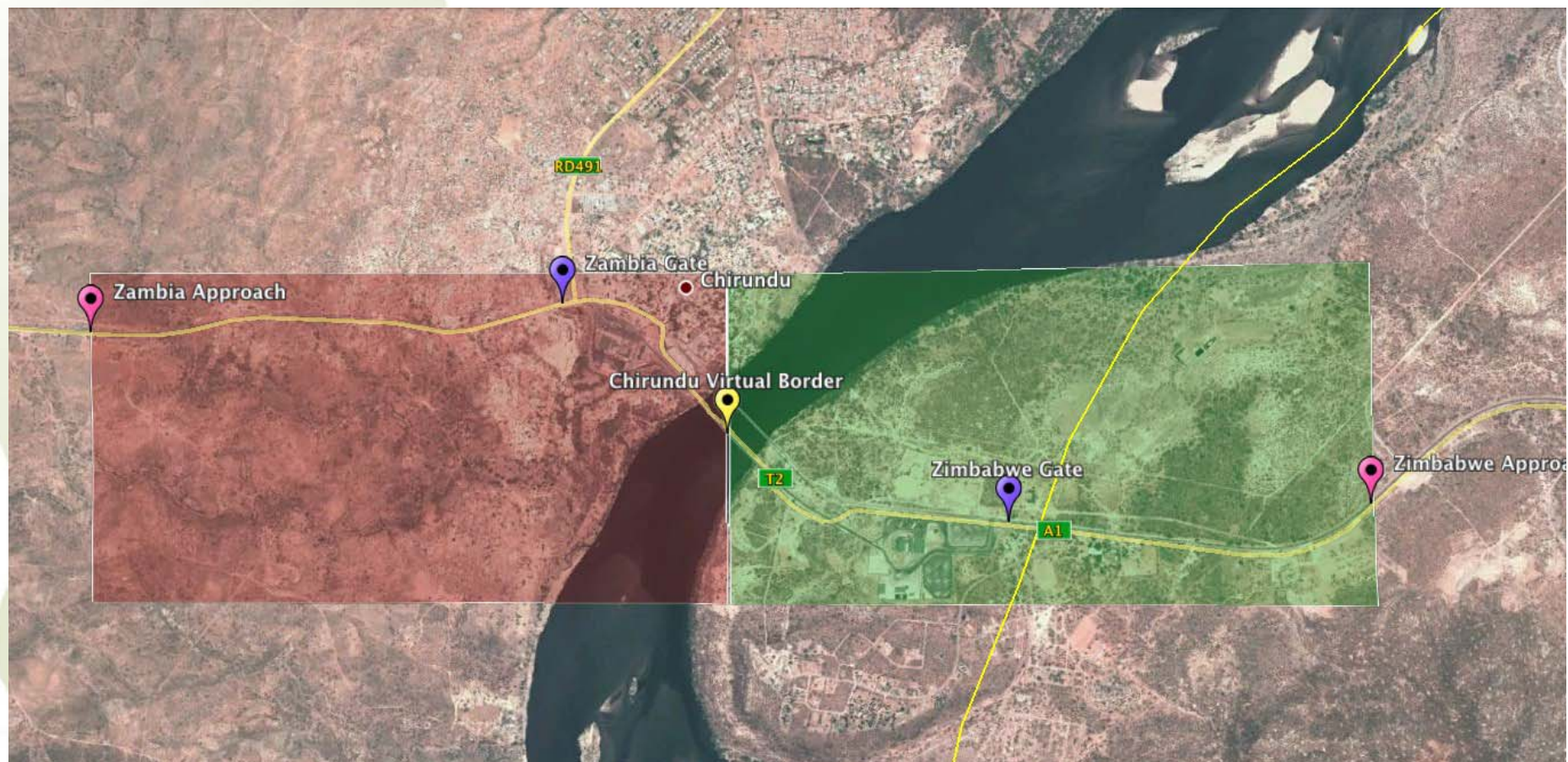
Total Nr of Vehicles Crossing per Month (North- and Southbound)



Chirundu

Total Nr of Vehicles Crossing per Month (North- and Southbound)





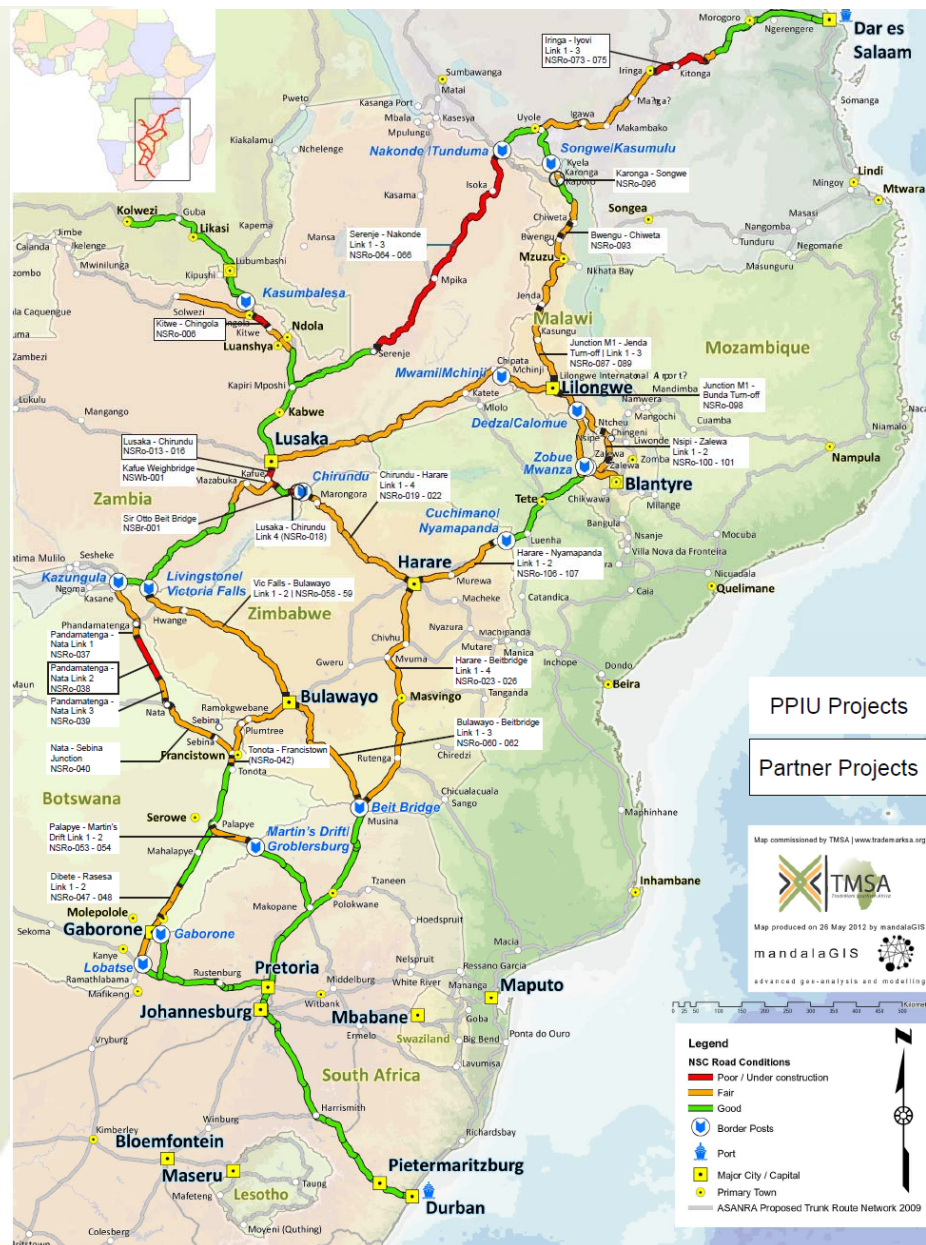
Geozones for Chirundu (including control zone AND approach)

- Chirundu One Stop Border Post



NB&SB Schematic.kmz

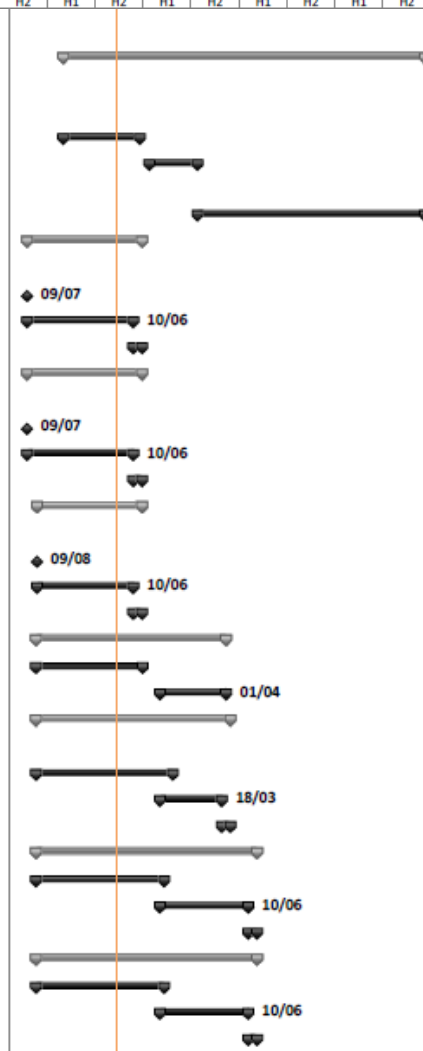




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ID	Task Mode	Task Name	Length	Country	Start	Finish	Estimated Preparation Cost	Estimated Implementation Cost													
									2012		2013		2014		2015		2016		2017		2018
									H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2
9		PROJECTS IN PREPARATION BY PPIU																			
10		NSEn-001 ZTK Interconnector	1600 km	Zambia, Kenya, Tanzania	Thu 01/11/12	Tue 22/12/15	\$5.2m	\$1236m													
1		Preparation: Project Structure & Transaction			Thu 01/11/12	Mon 01/07/13															
9		Implementation: Award of Works & Supervision Contracts			Thu 01/08/13	Tue 31/12/13															
12		Implementation: Works & Supervision			Wed 01/01/14	Tue 22/12/15															
11		NSRo-064 Serenje - Nakonde Link 1 (Serenje - Mpika)	235 km	Zambia	Mon 09/07/12	Mon 08/07/13	\$0.87m	\$202m													
1		Preparation: Award of Design Contract			Mon 09/07/12	Mon 09/07/12															
4		Preparation: Detailed Design & Bidding Documents			Mon 09/07/12	Mon 10/06/13															
19		Preparation: PIM			Mon 10/06/13	Mon 08/07/13															
12		NSRo-065 Serenje - Nakonde Link 2 (Mpika - Chinsali)	164 km	Zambia	Mon 09/07/12	Mon 08/07/13	\$1.24m	\$142m													
1		Preparation: Award of Design Contract			Mon 09/07/12	Mon 09/07/12															
4		Preparation: Detailed Design & Bidding Documents			Mon 09/07/12	Mon 10/06/13															
19		Preparation: PIM			Mon 10/06/13	Mon 08/07/13															
13		NSRo-066 Serenje - Nakonde Link 3 (Chinsali - Isoka - Nakonde)	205 km	Zambia	Thu 09/08/12	Mon 08/07/13	\$1.18m	\$179m													
1		Preparation: Award of Design Contract			Thu 09/08/12	Thu 09/08/12															
4		Preparation: Detailed Design & Bidding Documents			Thu 09/08/12	Mon 10/06/13															
19		Preparation: PIM			Mon 10/06/13	Mon 08/07/13															
14		NSRo-096 Karonga - Songwe Road	45 km	Malawi	Mon 06/08/12	Tue 01/04/14	\$0.825m	\$40m													
1		Preparation: Award of Design Contract			Mon 06/08/12	Wed 10/07/13															
17		Preparation: Detailed Design & Bidding Documents			Wed 04/09/13	Tue 01/04/14															
15		NSBr-001 Sir Otto Beit Bridge	N/A	Zimbabwe, Zambia	Mon 06/08/12	Tue 15/04/14	\$0.55m	\$9m													
1		Preparation: Award of Design Contract			Mon 06/08/12	Sun 13/10/13															
17		Preparation: Detailed Design & Bidding Documents			Wed 04/09/13	Tue 18/03/14															
32		Preparation: PIM			Tue 18/03/14	Tue 15/04/14															
16		NSRo-058 Victoria Falls - Bulawayo Link 1	220.5 km	Zimbabwe	Mon 06/08/12	Tue 08/07/14	\$0.91m	\$190m													
1		Preparation: Award of Design Contract			Mon 06/08/12	Mon 16/09/13															
17		Preparation: Detailed Design & Bidding Documents			Wed 04/09/13	Tue 10/06/14															
32		Preparation: PIM			Tue 10/06/14	Tue 08/07/14															
17		NSRo-059 Victoria Falls - Bulawayo Link 2	220.5 km	Zimbabwe	Mon 06/08/12	Tue 08/07/14	\$0.91m	\$190m													
1		Preparation: Award of Design Contract			Mon 06/08/12	Mon 16/09/13															
17		Preparation: Detailed Design & Bidding Documents			Wed 04/09/13	Tue 10/06/14															
32		Preparation: PIM			Tue 10/06/14	Tue 08/07/14															





REGIONAL TRADE FACILITATION PROGRAMME
PROJECT MANAGEMENT UNIT (PMU)

ECONOMIC BENEFITS OF AN EFFICIENT NORTH-SOUTH CORRIDOR

Strategic Level Analysis of Investments in the North-South Corridor
Using HDM-4

FINAL REPORT

Jennaro B. Odoki, Michael Anyala and Robert Akena

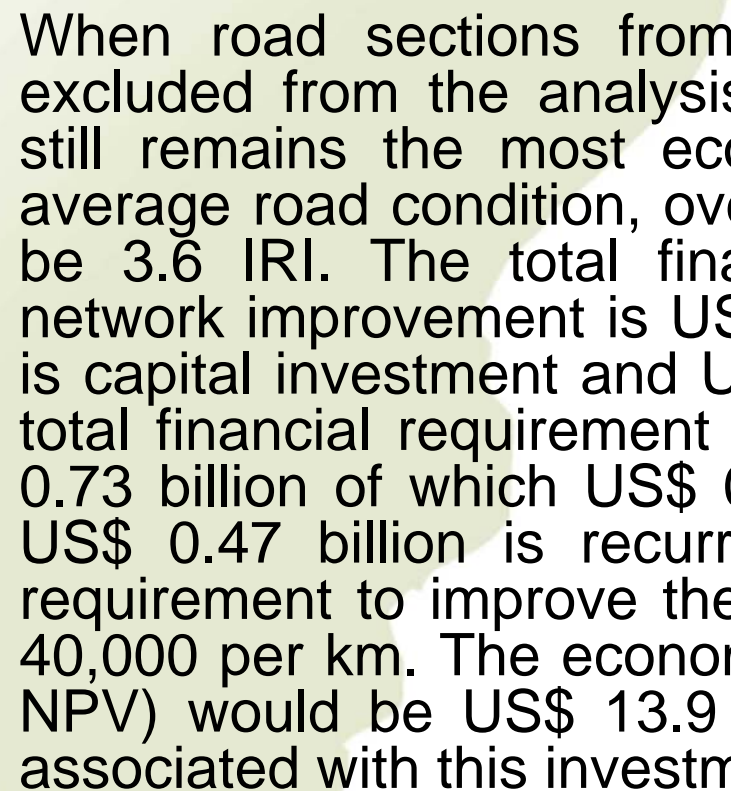
altainnovations



Alta Innovations Limited
University of Birmingham
Birmingham
United Kingdom

April 2009





When road sections from the Republic of South Africa are excluded from the analysis, investment scenario “RN-3, BP-3” still remains the most economically attractive. The long-term average road condition, over the 20-year analysis period, would be 3.6 IRI. The total financial investment required for road network improvement is US\$ 6.9 billion of which US\$ 4.5 billion is capital investment and US\$ 2.4 billion is recurrent costs. The total financial requirement for border post improvement is US\$ 0.73 billion of which US\$ 0.26 billion is capital investment and US\$ 0.47 billion is recurrent costs. The annualised financial requirement to improve the road network is approximately US\$ 40,000 per km. The economic return on this investment (i.e. the NPV) would be US\$ 13.9 billion. The benefit/capital cost ratio associated with this investment is 3.1.



REGIONAL TRADE FACILITATION PROGRAMME
PROJECT MANAGEMENT UNIT (PMU)

NORTH-SOUTH CORRIDOR PROJECT PART 3: MAINTENANCE FINANCING OPTIONS

FINAL REPORT

Adam Andreski, Anthony Pearce, Masam Abedin and Jennaro B. Odoki

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- 1. The funding of a 20 year road programme which maintains the road network of all the links in the North South Corridor in a good condition (IRI less than 4) is economically viable;**
- 2. There exists a pipeline of projects ranging from Project Preparation through to Implementation (Construction) – they are listed in chronological order and type such that potential investors can choose an investment that fits their investment profile;**
- 3. All of the roads on the North south Corridor are existing roads (ie no new roads are being constructed) – a separate environmental analysis is not carried out prior to the detailed design and preparation of bidding documents – the Environmental and Social Impact Assessment are carried out in parallel with the detailed design and preparation of bidding documents such that all of the mitigating measures identified during the Environmental and Social Impact Assessment are brought forward into the bidding documents.**



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Thank you North South Corridor Roads & Border Posts



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