



Corridor & Border Post Performance Monitoring on the North-South AfT Corridor

Developing innovative mechanisms for
measuring the performance of regional
transport corridors

Africa Road Transport Forum
April 2013

Who is TMSA?

- **DFID/UKaid Funded**



- **Support COMESA-EAC-SADC Tripartite on Regional Integration**



- **Work closely with Private Sector Associations FESARTA FCFASA**



- **Trade Policy, Trade Facilitation, Corridors & Infrastructure, Economic Competitiveness**

Where do most corridor problems manifest?

- **BORDER POSTS:** Time is money! **\$400-\$450pd**
- **Road upgrades vs Border Post Improvements**
- **GOAL?** To **reduce the time and cost** of moving cargo on regional corridors, making African trade more competitive
- **HOW?** Through **interventions** at various levels (NTB resolution mechanism, policy harmonisation, infrastructure improvements, process optimisation, institutional strengthening, border coordination, technology, etc.)

But is it working?

- **MEASURING IMPACT:** We need to establish a robust, reproducible, reliable and cost-effective system of corridor monitoring to **measure impact of interventions** & identify corridor priorities
- **TMSA MONITORING ON NSC:**
 - Road & rail conditions
 - Logistics costs
 - Trade volumes
 - Border crossing times by **GPS** and **physical monitoring**

Border Post Monitoring Methodology

1. GPS MONITORING

For tracking physical movement of a vehicle (ie. time spent in the border area)

2. PHYSICAL MONITORING

For detailed time studies measuring discreet processing times by various border agencies



Border Monitoring with GPS – Results

June 2010 – June 2012

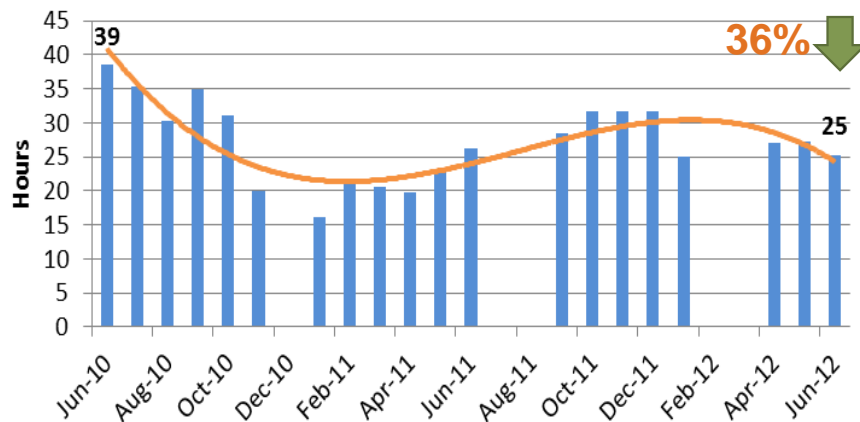
Border Crossing Time reduced by $>1/3$

Nr of Vehicles increased by $2/3$

Chirundu Border Post

Northbound: Zimbabwe to Zambia
Average Border Crossing (in hours)

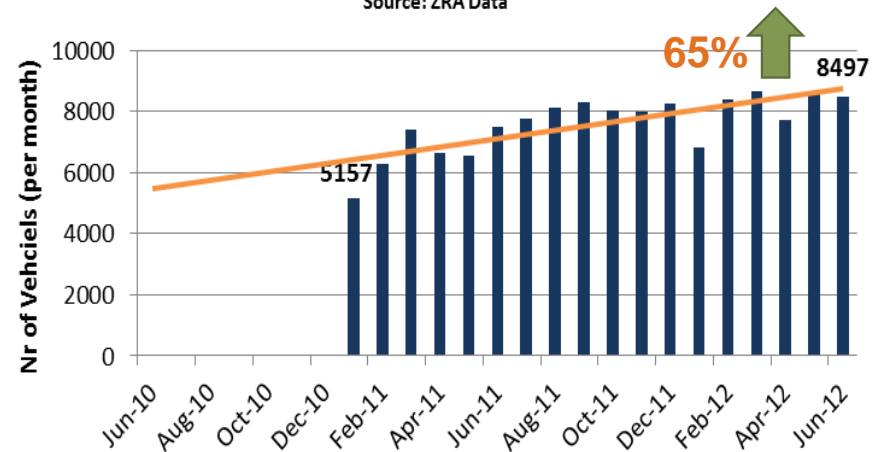
Source: Global Track Tracking Data



Chirundu Border Post

Northbound: Zimbabwe to Zambia
Nr of Commercial Vehicles Crossing per Month

Source: ZRA Data

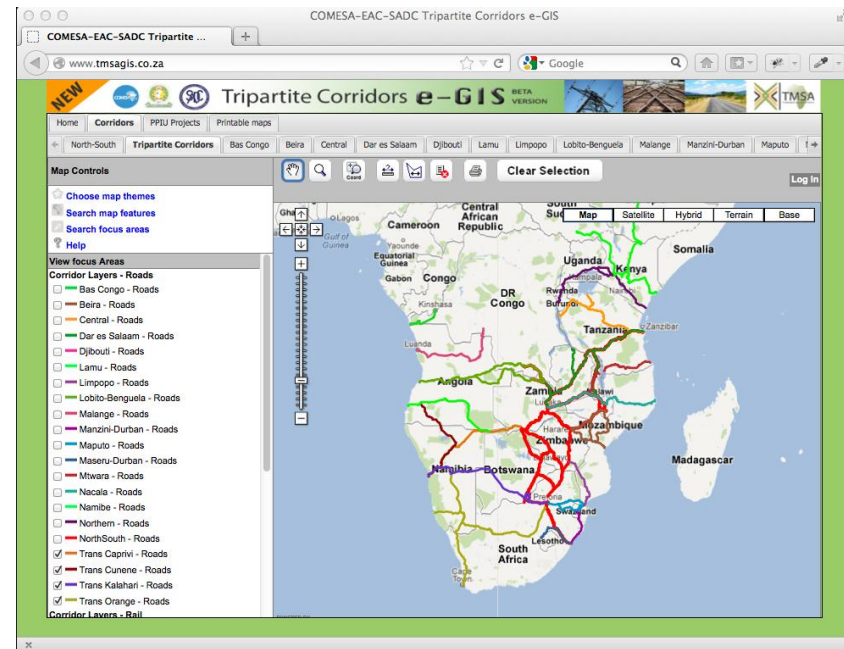


North-South Corridor Networks

Road Conditions



www.tripartitegis.org



Next Steps/Going Forward

- Continued innovation & utilisation of technology
- Implement improved systems for **sharing** the data (Tripartite Corridors e-GIS) @ www.tripartitegis.co.za and Corridor Information Platform (currently in development)
- Work towards **corridor wide** GPS monitoring and indicators (from origin to destination)
- **Increase the sample size** of GPS monitoring through private sector participation
- Engineering border post processes and systems (particularly as part of OSBP) to include border performance monitoring **built in** to the operational systems

Next Steps/Going Forward

- **WE NEED YOU:** Partnerships with private sector to increase scope of GPS data
- **WHAT'S IN IT FOR YOU:** A corridor information platform that will show you the trends on corridor performance
 - Better planning of resources
 - Benchmarking
 - Identification of priority interventions

**A PRACTICAL WAY TO BECOME PART
OF THE SOLUTION!**



Thank you!

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