"To be a World Class provider of public infrastructure and transport systems by year 2022 and beyond"



Newly completed King Mswati III International Airport

BACKGROUND

The Ministry of Public Works and Transport (MOPWT) is charged with seven portfolio responsibilities as set out in Gazette No. 15 of 2009 being; Infrastructure Planning and Development, Roads Construction and Maintenance, Government building construction and maintenance, Planning and Regulation of Road, Rail , Air and Marine Transport Administration, Royal Swazi National Airways, Swaziland Railways and Central Transport Administration.

In line with the above portfolio the MOPWT is organized into four departments namely a) Administration b) Roads, c) Buildings and d) Road Transportation. The Ministry also has four parastatals under its portfolio namely Swaziland Railways (SR), Swaziland Civil Aviation Authority (SWACAA), Royal Swaziland National Airways Corporation (RSNAC) and Central Transport Organization (CTO, formerly CTA). The mandate of the ministry is that of "ensuring the provision and maintenance of public infrastructure to the satis faction of government and users, it also ensures that the transport systems and network are efficient and cost effective, achieved through proper regulation of the transport industry".

KEY ACHIEVEMENTS

APPOINTMENT OF BOARDS

- Construction Industry Council (CIC) on June 13, 2014
- Central Transport Organization (CTO) Board on 29 October, 2014

STRATEGIC PLAN SESSION

The Ministry had a successful strategic planning session which will see the Ministry transforming whilst working towards attaining first world status.



Minister Ps. Lindiwe Dlamini with the newly appointed CTO Board



D42 Mbadlane-King Mswati III International Airport

ROADS DEPARTMENT

CAPITAL PROJECTS

1. Upgrading of D42 Mbadlane-KMIII International Airport

The Ministry has secured funding for the Manzini-Mbadlane Road Project. This road is very crucial for the country as it will also enhance the utilization of the King Mswati III International Airport (KM III).

The Mbadlane-Sikhuphe Road is 96% complete and 5.5km (of 17km) awaits to be handed over to Government. The scope of works for the project involves:

2. Upgrading of 30 km Manzini-Mbadlane

Upgrading of the existing 30 kilometres single paved carriageway to a two-lane paved dual carriageway (highway) with five major graded-separated interchanges and associated drainage works.

Construction of new 32 kilometres two-lane paved single carriageway service roads, along both sides of highway and

rural roads connecting schools and clinics (feeder roads).

Installation of street lighting, road furniture and making provisions for utilities and services including ICT ducting.

3. Upgrading of D36 Ezuwini-LaMgabhi

Our quest for First World Status requires that we pave all our main roads (MRs) and maintain to standard all our roads so that we generally make travelling across the country not only easy but also enjoyable. This requires that we seek alternative and more cost effective ways of paving our roads. Hence the investigations currently ongoing where we are piloting a technology from Malaysia known as Probase. The contractor has already established



An in-house bridge at SOS, Sidwashini.

an on site for work on the 6km portion of the Ezulwini-Lamgabhi Road (D36). The project has commenced and construction will be complete by the



An in-house completed bridge at Mahlangatsha end of January 2015.

4. Rehabilitation of MR13 Nhlangano-Sicunusa

The Government has had successful negotiations with the foreign funders of the Nhlangano/Sicunusa road who had suspended disbursing on the project. We now expect the project to start moving much faster and more smoothly. *5.Rehabilition of MR19 Bhunya-Sandlane road.*

INHOUSE PROGRAMMES

Another in-house project recently completed is the construction of the multi-cell box culvert crossing under the Emtfongwaneni Inkhundla.

The Ministry and contractors are currently engaged in the maintenance of the road reserve which targets 480km this year.

1. Upgrading of Nhlangano—Ngwane Teachers Training

College

On the 23rd of September 2014, His Majesty officially opened 2km of Nhlangano - Ngwane Teachers Training College road (D57) which has been upgraded to single-carriageway bituminous standard. This project was designed and supervised by the Ministry's in-house technical team and a private contractor was only hired to do the bitumen.

2. Blading Programme

This is an in house programme whereby unpaved roads are maintained by blading which is carried out by the Ministry's various maintenance units. Major challenges faced in this programme have been:

Inadequacy of plant.

• Reliability of plant.



Construction of Hawane in-house bridge

• Long down time of plant.

The ministry has also identified providers of equipment from whom plant can be hired as need-



ed, so as to intensify road works of different magnitudes.

- 3. River Crossings:
- It is worth noting that the ministry during this year designed and constructed 9 bridges in-house of which mostly are nearing completion. They are as follows:
- Maphalaleni Bridge 1
- Maphalaleni Bridge 2
- Mbeka (Mankayane)
- Mashobeni
- SOS (Sidwashini Mbabane)
- Makhwane
- Ngcoseni (Mankayane)
- Mahlalini (Shiselweni)
- Mananga

4. Repairing of Road Failures

From time to time, the Ministry faces emergency situations where there are road failures that occur and pose *MR14 Maloma-Nsoko Regravelling* a threat to both road users and pedestrians. The main challenges faced with emergencies is that they are not budgeted for. As a result the Ministry has to find an immediate solution within the current resources. This is done by utilizing our in house construction units, issuing an instruction or variation on an existing contract or a combination of both. Two main emergency failures, on major sections of the country's road network, were attended to at the following two locations:

- Mphosi
- Matsapha-Bethany Road (Salt n' Paper Bar & Restaurant)

Re-gravelling

Six roads are being regravelled this year. The



projects are being carried out under different construction programmes. The roads being re

-graveled are as follows:

- MR14 Nsoko-Maloma
- D43 Lomahasha-Shewula
- ◆ D29 Lugaganeni-Luve
- MR2 Ndzingeni-Maguga
- D44 Dvokodvweni-Malindza
- D59 Nhlangano– Mahlalini

Labour based Feeder Roads and Crossings Programme

Under this programme, construction of feeder roads and river crossings is carried out. Feeder roads are roads that link with district roads. They serve a very important function as they *Construction of Labour based Feeder Roads*

connect communities to the main national road network – and hence enhance social and economic accessibility.



Installation of Concrete Barriers

Projects in this programme are carried out utilizing labour intensive methodologies. The use of mechanical plant is minimized so that there is a need to intensify labour usage in the projects.

These projects are divided into two main components:

- I. Construction of Feeder Roads.
- II. Construction of River Crossings along Feeder Roads.

Below are lists showing the projects under each programme.

Construction of Feeder Roads:

- MR14; Nsoko Maloma
- D43; Lomahasha Shewula
- D29; Lugaganeni Luve
- MR2; Ndzingeni Maguga

- D44; Dvokodvweni Malindza
- D59; Nhlangano Mahlalini

Construction of River Crossings along Feeder Roads:

- ♦ Hawane
- ♦ Godloza
- Mhlosheni

Installation of Concrete Barriers

This project entails the installation of Concrete Barriers on the Ezulwini – Lobamba section. In the duration of this contract, there were some dangerous sections that the Ministry identified in other sections of the road network. The Contractor on the project was then instructed to attend to these sections and then later complete the initial scope of the project.

The two identified sections are:

 A section along Malagwane that has been characterized by several fatal accidents as vehicles tend to spin off the road, under wet conditions, and roll down an adjacent cliff. The guardrails that were initially installed along this section were not sufficiently resistant to the impact

from vehicles. As a result, the Ministry took a decision to install concrete barriers on this section to minimize, if not totally eradicate, the fatal accidents that were occurring.

II. A section along Mehlwabovu that has also had a high rate of fatal accidents.

Road Reserve Maintenance Programme

This programme entails the maintenance of the road reserve on

the country's road network. The scope includes:

- Cleaning of Drains and Pipe Culverts.
- Collection of Litter and Dead Animals.
- Control of Vegetation Within The Road Reserve.

Different Contractors are engaged, and these Contractors are instructed to carry out the maintenance on various routes. When



Road mantainence

a Contractor completes a route, they are then deployed to another road.

Road marking Programme

This programme entails the maintenance of road-markings on the country's roads. It also involves the installation of road studs if the budget (availability of funds) permits. In 2014, the following roads were attended to:

- MR4: Mhlabubovu Mankayane, Somhlolo National Stadium
- MR9: Mhlaleni Nhlangano
- MR5: Mafutseni Mliba
- MR1: Motshane Pigg's Peak
- MR19: Mbabane Mhlambanyatsi Bhunya
- Royal Residences (Lozitha, Nkoyoyo, Ngabezweni, Ludzidzini, Buhleni and Parliament Access Roads)
- MR3; Manzini Traffic Circle Hhelehhele Lonhlupheko And MR27/18; Mahlanya – Malkerns -Phondo

Economic Feasibility Studies and Detailed Designs In line with national objectives of Vision 2022 - the Ministry of Public Works and Transport (MoPW&T) is embarking on an exercise to increase the country's paved network. Various roads from different parts of the country have been selected to be upgraded. In order to motivate funding for upgrading unpaved roads there is a need to carry out Economic Feasibility Studies and Detailed Designs. Consultants need to be engaged to carry out such work. The documentation produced can then be used to motivate funding to enable implementation of construction. Economic Feasibility Studies and Detailed Designs are being carried out on the following roads:

- Pigg's Peak Bulembu.
- Pigg's Peak Bulandzeni.
- ♦ Lugaganeni Luve
- Maloma Nsoko



Re-gravelling of Kukhanyeni-Lugaganeni road

- Maloma Nsalitje
- Hlatikhulu Maloma
- Sandleni Mhlosheni
- Siphofaneni Sithobelweni
- Sithobelweni Maloma
- St. Phillips MR14 Junction
- Sithobelweni Hlatikhulu

This exercise is expected to be complete between the months of May and August 2015 depending on the various factors pertinent to each project.

Subject to availability of funds, the Ministry plans to commence with the construction of the following three roads, in 2015;

- Lukhula—Big Bend / Siteki
- Pigg's Peak Bulembu.
- Pigg's Peak Bulandzeni

FUTURE PLANS Financing and Construction of Various Roads

Due to budgetary constraints, the Ministry is seeking innovative methods to finance construction of roads. As part of this endeavor,

the Ministry has issued an invitation to entities to submit Expressions of Interest proposing finance models to enable the construction of various roads in the country's network. Private entities must propose a partnership with Government through which roads will be constructed – within a certain construction period - and Government will pay for the construction over a longer period of time.

BUILDINGS DEPARTMENT

The Ministry continued with the process of installing individual water and electricity meters in Government buildings thus



Construction of Institutional housing at the TB Centre in Manzini which is in it's final stage

relieving Government from paying utility expenses for her employees. Water meters have been installed at William Pitcher College and St. Theresa flats in Manzini and Old Government flats and Canadian flats located in Mbabane.

 Upgrading of water supply and separation of bulk water meters was initiated at Motshane Training Centre towards Ngwenya and VOCTIM and New Village located in Matsapha. Similar work is continuing at Msunduza (Mbabane) and Mathendele (Nhlangano).

- Several capital projects are at different stages of completion. Some of those that are complete include Rehabilitation of SBIS, Pigg's Peak Magistrate Court, Income Tax Building, Bhalekane Prison and National Archives. Others such as Hlatikhulu Government Hospital, High Court and Industrial Court are nearing completion.
- The Ministry continued to rehabilitate more pool houses in

addition to the 22 we did last year, among which was the house for the Manzini Regional Administrator. Currently the department is rehabilitating 45 houses using our own staff and tenders will be issued for 16 more houses to be done by contractors. The rehabilitation work involves attending to roofing, painting, defective doors, aprons and the practice is to outsource to contractors on the heavier the work that is required.

The Ministry also handed over revamped Somhlolo National Stadium lights to the Ministry of Sports, Culture & Youth Affairs .The scope entailed making good and rewiring of main metering board and replacement of defective circuit breakers, supplying 64 floodlights including rewiring and replacing of ballasts, and replacement of all lamps for 64 floodlights amongst other necessities .



Test Station at Matsapha

ROAD TRANSPORTATION DEPARTMENT BACKGROUND

The provision of an integrated, well-managed, viable and sustainable transport infrastructure meeting national and regional goals into 2022 is considered as a high priority by the Swaziland Government. Transport infrastructure is important for the establishment of a coherent base to promote accessibility and the safe, affordable, reliable movement of people, goods and services.

Standards need to be adhered to for vehicle load limits, i.e. Gross Vehicle Mass (GMV) and axle load limits. Similarly, vehicle dimensions including width, height, length, vehicle design standards, licensing, registration, insurance and inspection for road worthiness need to be standardized, inspected and enforced. In addition, standards also need to be developed for the tyre pressure limits in relation to road pavement design.

RTD PROJECTS 1. TEST STATIONS

The Ministry of Public Works and Transport has taken the initiative to construct "ONE-STOP-SERVICE" Test Stations at Siteki and Matsapha in order to improve levels of customer service to the public thus promoting the provision of safe, reliable, effective, efficient and fully integrated transport testing service.

Below are the services that will be provided at Road Transportation Test Stations:

- Weighbridge (Matsapha test station only)
- Testing of light and heavy vehicles/freight for certificate of fitness
- Applications for new Road Transportation Permits and Variation PER-MITS
- Revenue/Accounts offices
- Police clearance
- Testing for Driver licenses according to Southern African Development Community standards



Vehicles lining up to be checked at Matsapha Test Station

• Issuance of SADC driver license.

2. FLEET MANAGEMENT PROJECT

This project is still on going. Computer hardware has been procured to assist the department by easing processes such as vehicle registration, issuance of electronic blue books, discs and variation permits.

3. TOWARDS MAKING THE FACILITIES OPER-ATIONAL

At Siteki Test Station;

- Construction has been completed
- Testing equipment has been installed
- Awaiting completion of temporal access to facilitate more immediate usability of the facility.

At Matsapha Test Station;

- Test station is now operational
- Police clearance facility now provided
- The weighbridge has been installed but awaits calibration.

For both stations, international standards were adopted

from the South African Bureau of Standards (SABS) through the Swaziland Standards Authority (SWASA). ROAD SAFETY AC-TIVITIES 2014

1. Back to School Back to Basics Road Safety Awareness Campaign:

This road safety awareness campaign was focusing on pedestrian safety and driver compliance particularly at stop signs. Pedestrians and drivers who observed the rules of the road were awarded weekly. This campaign started after schools have opened in January 20144 and lasted for a month.

2. Easter Road Safety Awareness Campaign (16 April 2014):

Road users were educated on observing caution especially during the busy holidays. The theme of the campaign was "Impilo yakho yinye vo, yinakelele".

3. Stray Animal Removal educational :

There were meetings at Malin-



Minister Ps. Lindiwe Dlamini, Road Safety Stakeholder Alliance and participants at Buhleni Road Safety Road Show .

dza and Kalanga. Prior to the engagement of Cattle Rangers to patrol the Malindza – Lonhlupheko stretch (MR3), the Swaziland Road Safety Council educated the community members on the dangers of neglecting their livestock on the roads.

4. Engagement of Cattle Rangers:

During the official opening of King Mswati III International Airport., 22 cattle rangers were recruited from Malindza and Kalanga Umphakatsi. The exercise was a success because there were no road crashes caused by stray animals on the road.

5. Dip tank Visits:

The Swaziland Road Safety Council partnered with the Royal Swaziland Police in conducting over 10 dip tank visits in the Hhohho region. The areas that were covered included Luhlangotsini, Luvinjelweni and Piggs Peak.

6. Nkambeni Road Safety Awareness Campaign:

In preparation for the crushing season and increase in traffic along Nkambeni – Simunye road, the Royal Swaziland Sugar Association sponsored a road safety aware-

ness campaign on the 21st of June 2014, at Nkambeni. Pedestrians, farmers, cyclists and drivers were educated on road user responsibility.

7. Road Safety Audits:

The Swaziland Road Safety Council collaborated with the Royal Swaziland Police and the Roads Department in screening black spots or accident prone areas in the four regions of the Country. The recommendations were forwarded to the roads department for treatment. The following achievements have been recorded:

- Installation of chevrons along the Malagwane Hill.
- Installation of speed humps at Mpandze, near Mafutseni .
- Installation of jezebels/ Concrete barriers along the outer - curves on the Malagwane Hill.
- Installation of speed humps Cana High School.
- Installation of speed hump along the Central Distributor Road in Manzini.



Stakeholders participating during the Easter Road Safety Awareness Campaign

- Installation of speed humps before Lavumisa Traffic Circle.
- Installation of speed humps at Montigny in Nhlangano.
- Installation of House on fire speed bumps on the 5th of May 2014. Traffic calming in preparation for the famous Bush Fire Festival.
- Ngwenya Speed Hump.

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SWAZILAND CIVIL AVIATION AUTHORITY (SWACAA) MILESTONES

- Certification of the King Mswati III International Airport in accordance with ICAO standards.
- Endorsement of the country's civil aviation milestones by ICAO Council President during His Majesty's launch of KMIII in March 2014.
- Removal of the state from the European Union blacklist following successful missions to SWACAA of the Euro-

pean Commission and a presentation by SWACAA on the state of the civil aviation in Swaziland to the European Commission in Brussels.

- Launch of the commencement of commercial flight operations at KMIII and a successful management of the change from Matsapha to Sikhuphe.
- KM III also received its first commercial flight on 30th September 2014.
 Statistics so far is encouraging and we will continue to monitor the situation closely. We appreciate the support we continue to receive from the different government agencies involved, the workers and the public at large as we operationalize KM III.

FUTURE PLANS

 5 year corporate strategy presently being brainstormed with the guidance of Luftansa consulting, a German Civil Aviation industry consulting firm. This will be delivered in



The Minister of Public Works & Transport Ps. Lindiwe Dlamini, the Ministry's Portfolio Committee Members from both Houses of Parliament, SWACAA Board members and staff pictured during a tour at KM III Airport

February 2015.

- Intensification of the ICAO Technical Cooperation Bureau (TCB) intervention project in order to have all ICAO audit findings putting Swaziland in red finally resolved and properly documented
- Aggressive marketing of KMIII for passenger and cargo



Passenger's queing to board the first commercial flight at KM III International Airport



His Majesty King Mswati III, Her Majesty the Indlovukazi posing with Deputy Prime Minister Paul Dlamini, Minster of Public Works & Transport Ps. Lindiwe Dlamini and Swaziland Railway Board of Directors during the company's 50th Anniversary Celebrations.

airlines. This will be done alongside tourism, Trade, Investment and the agricultural sector of the country with the airport as an integral part of the economic value chain.

- Completion of the land tenure system process to have Sikhuphe declared a business zone to enable planning for the airport city in order to promote investment in the airport area.
- Development of corporate office com-

plex and staff housing.

SWAZILAND RAILWAYS MILESTONES:

- Swaziland Railway celebrated 50 years of successful existence, 1964 – 2014. The event was attended by VVIPs His Majesty the King, Her Majesty the Indlovukazi, the Royal Family, Cabinet Ministers, Chiefs, Members of the Diplomatic Corps, representatives of industry, SR staff and all the general public.
- In the same event, The King unveiled the first train purchased by SR. This is a major achievement by SR since it ushers us



into the sphere of being an international operator since this train is currently operating between Phalaborwa and Richards's bay on the main line. This is a bold step as we will now not be dependent on other operators in terms of bringing traffic that passes through Swaziland.

 The Swaziland Rail Link is also a project in the last stages of the feasibility stage and real work is expected to start in 2015. This project brings with it so much possibilities and so much economic positives. It will enhance regional connectivity, create employment, bring revenue and enhance bulk transportation of goods between Swaziland, RSA (Gauteng) and Mozambique.

 We jointly with CFM, Mozambique and Transnet Freight Rail, RSA launched the Joint Operating Centre (JOC) in Maputo, which is a centre where the three railways will control the flow of traffic, train operations and report on

developments on the lines respectively going to the Maputo port.



OPPOSITE: The newly purchased fleet of government vehicles at CTO premises.

CENTRAL TRANSPORTATION OR-GANISATION (CTO)

MILESTONES

- CTO Board was appointed
- The organization purchased 21 BMW X5 to be used by the Hon. Ministers, Presiding officers and the Attorney General at a discounted price.
- CTO managed to purchase fleet of 893 vehicles for Government Ministries.

- The organization has bought and received 266 project and donated vehicles.
- There is 116 vehicles to be auctioned at Matsapha CTO and 157 vehicles that will be at Mbabane CTO in December. Total vehicles to be auctioned is 237.
- CTO has been able to provide vehicles on short term hire to ministries and departments.

CHALLENGES

- The pool section has limited capacity in terms of vehicles available for short term hire.
- Misuse of vehicles and plant
- Plant replacement is long overdue rendering existing plant uneconomical to operate.
- Theft of fuel and spares is rife FUTURE PLANS

The department is looking into modernized fleet management systems that will curb misuse of government vehicles and plant that are misused through driver misbehavior. These systems are also capable of electronically re-

porting fuel theft as it happens.

• CTO is working hand-in-hand with the Ministry of Agriculture in ensuring the availability of tractors and their implements in readiness for the ploughing season.

ROYAL SWAZI NATIONAL AIRWAYS

CORPORATION

RSNAC identified a suitable consultant to undertake the study on the best model for the airline. The consultant is set to look at the following:

- The capital investments required
- Human capital implications
- Evaluation of sustainability of airline and strategic options to reduce government support
- Risks and mitigation plan
- Implementation plan

CHALLENGES

- The introduction of an alternative air service provider in Swaziland's air transport industry is now overdue and this has resulted in inefficiencies in the transport system.
- The lack of competition in air transport in Swaziland, particularly on the Swaziland-Johannesburg route has led to an industry that is not cost effective.





TENDER NO.268 OF 2014/15:

EXPRESSION OF INTEREST AND BIDDING QUALIFICATION FOR: THE FINANCING AND CONSTRUCTION OF THE FOLLOWING ROADS

The Ministry of Public Works and Transport invites suitably qualified interested parties to submit an Expression of Interest (EOI) in order to qualify to be invited to tender for:

Tender No.268 of 2014/15: Expression of Interest and Bidding Qualification for: The Financing and Construction of the following roads:

- Siphofaneni Sithobela- Maloma (MR14) & St.Philips- Sithobela Road (D50)
- 2. Sithobela - Hlathikhulu Road (MR25) Motjane - Matsamo Road (MR1)
- 3. Maloma- Nsalitje Border Post Road (MR21)
- 5. Maloma Nsoko Road (MR14) 6. Hlathikhulu -Maloma Road (MR10)
- Mbulungwane -Mhlosheni Road (MR12) 7.
- Piggs Peak Bulembu (MR20) 8.
- Piggs Peak Magoga Road (MR2)
 Lugaganeni Luve Road (D29)
- 11. Mhlambanyatsi Lundzi Road (D81)
- 12. Motjane Siphocosini Road (D78)
- 13. Bhunva Sandlane Border Post Road (MR19)
- 14. Baha'i Interchange (Malagwane) on MR3
- 15. Lukhula Big Bend (MR16) and Lonhlupheko Siteki (MR7)

Background

The Ministry has a Plan of Action which aims to reduce travel costs and improve economic development by paving currently unpaved main roads and district roads with an Annual Average Daily Traffic (AADT) above 250 vehicles whilst also rehabilitating some existing paved roads by the year 2022.

Minimum Swaziland citizen and enterprise empowerment criteria and targets (including Construction, Sub-contractor, SMME and Professional Training, Participation & Development criteria) will apply. Interested parties should also pay particular attention to the requirements of the country's Construction Industry Act, the Procurement Act and other relevant laws. In order to pre-qualify and be invited to tender for this project, interested parties are required to complete and submit the Expression of Interest documentation and meet the qualification criteria as set out therein.

Document Collection:

EOI documents will be available from: The Chief Roads Engineer Office # 84 The Ministry of Public Works and Transport Mbabane Swaziland

from the 2rd December 2014, upon payment of a non-refundable Five Thousand Emalangeni (E5,000.00) payable at the Revenue Office. Payment Code: Head 53, Responsibility Centre 5101, Item 21132.

EOI Submission

- The following must be submitted no later than 09h00 on Friday, 30th January 2015:
- Completed Tender Documents, including all Returnable Schedules
- Original Receipt (E5,000) for Tender Purchase (regardless of the number of roads/projects chosen)

Each completed tender should be in a sealed envelope and endorsed in the correct tender title and marked for attention:

The Secretary Tender Board, Treasury Department

P.O. Box 38

Mbabane

Note

All EOI submissions shall be delivered by hand and placed in the tender box at the Treasury Department, Treasury Building, Mbabane. N.B There will be a compulsory Pre-Submission Briefing at the Ministry of Public Works and Transport Conference Room, at 10h00 on the 11th December 2014.

Any attempt to influence the outcome of the adjudication and qualification process shall result in immediate disgualification. The Swaziland Government does not bind itself to accept or shortlist any submission.

> S.M. MNDAWE PRINCIPAL SECRETARY



