AIRPORTS AUTHORITY OF TANZANIA AND TOBAGO

In 2018, Airports Authority of Tanzania and Tobago (the Authority) focused on improving its facilities and services to enhance the customer experience and maintain the highest levels of operational efficiency, safety and security. 2018 saw the introduction of strategic initiatives which included:

**UTILIZING TECHNOLOGY TO IMPROVE SERVICE DELIVERY:** The Authority installed infrastructure for an automated car park payment system within the terminal building at the Portico International Airport. The automated payment system results in more secure transactions and reduced queuing at the exit lane. Also incorporated into this new system is a way-finding feature, that allows customers to spend less time searching for available parking spaces at the airport car park.

**EXPERIENCE AND TECHNOLOGY TO IMPROVE COMMERCIAL PERFORMANCE:** The Authority sought to improve the South Terminal to provide facilities for expanded opportunities in cargo, logistics operation, private aircraft handling and general aviation support. Growth in cargo movement capability via facility expansion, storage variety and 24/7 operations will take advantage of the projected growth in the aviation industry. Broadened opportunities for import/export, will increase global market access and air traffic growth. Improved air transport connectivity and liberalization of air cargo services are just some of the benefits of an expanded cargo industry.

**NEW INTERNATIONAL AIR SERVICE TO TOBAGO**

The Authority continued to expand its route network with the introduction of Sunwing Airlines in December 2018.

**WIDER RANGE OF SHOPPING FOR CUSTOMERS:**

The addition of new concessions and duty free offers provide a greater variety of dining experiences and increased shopping options.

**EMERGENCY PREPAREDNESS:**

The Authority partnered with Jefelife in 2018 to conduct an active shooter exercise at Portico International Airport and performed the biennial emergency drill at ANL Robinson International Airport. The continued training of staff to deal with emergency situations through scenario planning and simulations ensures that the Authority is adequately equipped to respond to any type of emergency at its facilities and preserve the safety and security of all customers and stakeholders.

**PROJECTS FOR 2019:**

The Authority will ensure that the facilities and levels of service at Portico International and ANL Robinson International Airports continue to be on par with the highest international standards and best practices.

The Ministry of Works and Transport (MoWT) remains committed to the social and economic advancement of Trinidad and Tobago. Through the provision of high quality infrastructure and transportation services, the Ministry aims to support the development of a united, resilient, productive and innovative society.

While remaining anchored to the ideals of Vision 2030, our core projects in 2018 focused on the expansion of the road network system, coastal protection, legislative reform, the introduction of innovative technologies and advancements in the delivery of land, sea and air services. All of these efforts ultimately aim at improving the quality of life for us in a contemporary world that increasingly demands more resilient infrastructure and efficient modes of transportation.

In embracing this collective responsibility to help create a better society, I must admit that as a team, we faced many setbacks while striving to achieve these goals. Most challenging has been the task of having to achieve more results with fewer funds and scarcer resources.

I invite you to pursue this publication as the Ministry shares its latest accomplishments and future plans.

This reality often requires re-prioritizing, delaying and sometimes re-prioritizing our plans. Nevertheless, considerable progress was achieved which has laid the foundation for the launch of several new initiatives in 2019 and 2020.

As always, I remain grateful to the staff of the Ministry whose hard work and determination have allowed us to achieve many milestones.

TRINIDAD AND TOBAGO CIVIL AVIATION AUTHORITY (TTCAA)

The TTCAA seeks to maintain the standards of safety and efficiency compliant with the International Civil Aviation Organization (ICAO) Convention.

In 2018, the TTCAA began an extensive upgrade of the hardware and software for its complex Air Traffic Management System which includes radar surveillance, voice communications, control switching, and other critical components that help to ensure the safe and secure facility of air travel in the areas of Trinidad and Tobago.

The TTCAA also invested in training by strengthening the capacity of its Civil Aviation Training Centre (CATC). With the aim to become the premier air navigation service training institution in the region, CATC developed a comprehensive curriculum that was delivered onsite in the Cayman Islands, Aruba, Tenerfa and Sri Lanka.

Additionally, the CATC finalized an agreement to host an Advanced Diploma in Aviation Studies with the University of Humanitas and the International Air Transport Association.

Simultaneously, it is negotiating with the ICAO and Ecole Nationale de l’Aviation Civile (ENAC) of France to host a Master of Science Degree Programme in Aviation Safety.

In partnership with the University of Trinidad and Tobago (UTT), the TTCAA-UCAT will also host tourism and general courses at the TTCAA-UCAT’s facility from 2019 onward.

**DEborah Points System Red Light Camera System Fixed Penalty Ticketing System**

This note of initiatives will have considerable benefits, as it is well known that traffic violations contribute to the high number of road accidents. To address this issue, the Ministry of Works and Transport (MoWT) has introduced a Red Light Camera System, which will be effective immediately.

The system will be implemented in several locations throughout the country, including urban and rural areas. The aim is to reduce traffic violations and improve safety on the roads.

The new electronic License Plate System, along with the proposed Red Light Camera System, will help to reduce the number of traffic violations and promote safer driving habits.

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MORUGA

THE GRAN CHEMIN FISHING FACILITY

This undertaking will capitalize upon the already vibrant fishing industry found in Moruga and build its capacity for greater revenue by constructing a new fishing facility. The project will consist of two components for land and marine activities.

The marine component will offer the capacity to hold over 120 fishing vessels, welcoming the business contribution from fishermen nationwide. To protect the fisher folk and their assets, Government will provide the presence of the Coast Guard whose watch will also help to protect the southern coastline of Trinidad.

The land infrastructure will support the marine component as it will cultivate a community that serves the needs of the fishing industry with boat, engine and net repair. Also included will be locker rooms and ice makers supporting wholesale and retail sale at designated spots.

In 2018, the National Infrastructure Development Company Ltd. (NIDCO) started the conceptual designs for both components of the project; the applications for the Certificate of Environmental Clearance (CEC) and embarked on the initial phase of land acquisition.

In 2019, it is projected that all statutory approvals will be acquired, along with the completion of designs and land acquisition. This will be followed by the start of construction.

TOCO FERRY PORT

Toco Bay offers the optimal location for a fast ferry port and the MOWT is currently pursuing this endeavor as a catalyst to opening up east Trinidad to new industrial, commercial and residential development. The new Toco Ferry Port facility will provide economic growth particularly in the tourism sector as well as the opportunity for the expansion of businesses in the surrounding communities.

The project will provide a more efficient inter island ferry service between Trinidad and Tobago thereby creating connectivity and reliability as Toco would serve as an additional gateway to Tobago. When operationalized, the travel time between Toco and Tobago is estimated to be 45 minutes.

The facility will include:
- An inter-island ferry terminal;
- Amenities including a marina for docking yachts and other pleasure craft;
- A Coast Guard base;
- A fishing and boat repair facility;
- A sewage treatment plant; and
- A bunkering facility.

In 2018, NIDCO obtained the final Terms of Reference for the Environmental Impact Assessment. It also procured the services of consultants to undertake the Environmental Impact Assessment as well as Geotechnical Surveys. For 2019, NIDCO will complete the geotechnical surveys and the Environmental Impact Assessment for the project.

BRIDGES RECONSTRUCTION PROGRAMME

The Bridges Reconstruction Programme is continuing to achieve its mandate to build and rehabilitate 62 bridges. Under Phase 1 of the programme, 25 bridges are being reconstructed. Prior to 2018, a total of 59 of these bridges were completed and opened for use. In 2018, 4 bridges: C1/32 Toco Main Road, B1/U Carmel (Tunapuna) Road, B1/50 Toco Main Road and B1/35 Caroni Main Road were completed and opened for use. In 2019, two (2) bridges were completed and commissioned (B 1/3 Camden Road and B 2/75 Southern Main Road Codrington). Works are ongoing on the remaining three (3) bridges which are expected to be completed and opened before the end of Road 2019. In March 2019, approval was granted for the construction of 12 bridges under Phase 2 of the programme. Contracts were awarded in January 2018 and to date, works have commenced, to varying extents, on the following bridges:
DRAINAGE DIVISION COMPLETES OVER 230 PROJECTS IN 2018

In 2018 the Drainage Division delivered on its mandate and completed over 200; and 230 projects at various locations throughout Trinidad. The Division has, over the past few years, continued to assist T&TEC to improve drainage infrastructure as well as infrastructure projects for flood risk reduction. The Division has also continued to support the Ministry of Works and Transport in the Caroni River Basin Rehabilitation and Improvement Works Project which seeks to mitigate some of the flooding issues in the Caroni River Basin.

The programme of Upgrading Existing Drainage Pumps and Gates Inventory, several drainage pump sites have been earmarked for rehabilitation and replacement of shuke and flap gates. The Drainage Division will undertake over three hundred (360) maintenance (dewatering) and nineteen (19) construction projects across the country, all in an effort to curb the effect of the disastrous flooding which took place last year.

CITIZENS are urged to work with the Government in reducing indiscriminate dumping, construction of land developments without prior approval and carrying out illegal quarrying operations to control the consequences of flooding in various catchments throughout Trinidad.

PORT OF SPAN FLOOD ALLEVIATION PROJECT

The City of Port of Spain has a history of flooding particularly in the vicinity of Queen’s Royal. In response, the MOWT put together a team from the PURE Unit, the Coastal Protection Unit and the Drainage Division to investigate and find short to medium term solutions to flooding along South Quay and surrounding streets of Port of Spain.

The programme for Upgrading Roads Efficiency Plan (PURE) of the PURE Unit is a Project Management Unit in the Ministry of Works and Transport responsible for implementation of road efficiency in fiscal 2017/2018 the Unit successfully completed several projects including:

**UPCOMING MAJOR PROJECTS**

**UPCOMING PROJECTS**

**PROJECTS INITIATED IN 2018**

**MAJOR PROJECTS COMPLETED IN 2018**

<table>
<thead>
<tr>
<th>Category</th>
<th>Number of Projects</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drainage Road Rehabilitation</td>
<td>9</td>
<td>7</td>
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<td>13</td>
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</tr>
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In 2018, one of the major projects to be undertaken by the Drainage Division is the construction of the Diego Marcano Interchange.

This project will address the following:

Improved safe access to adjacent new developments

- West Park Savannah and Diego Marcano Regional Company and existing communities (Victoria Keys, Powder Magazine 1 and 2);

- Improved connectivity to the Western Peninsula;

- Increased accessibility for future volumes and for future growth;

- Reduced traffic congestion.

CONSTRUCTION SUMMARY 2018/2019

**SUMMARY REPORT 2018/2019**

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**MAJOR PROJECTS COMPLETED IN 2018**

<table>
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<tr>
<th>Project</th>
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</tr>
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<tbody>
<tr>
<td>Wiggins Road Water Taxi Pedestrian Overpass</td>
<td>Over 80% completed</td>
</tr>
<tr>
<td>Chaguanas Traffic Alleviation Project Phase 1</td>
<td>97% completed</td>
</tr>
<tr>
<td>B10/5/10 Road Bridge/Bridge 60% completed</td>
<td>80% completed</td>
</tr>
<tr>
<td>chapel Road Pedestrian Overpass</td>
<td>Over 80% completed</td>
</tr>
<tr>
<td>B1/5 Portmore Museum Road Bridge</td>
<td>Over 80% completed</td>
</tr>
<tr>
<td>Port of Spain Flood Alleviation</td>
<td>Phase 1 completed</td>
</tr>
</tbody>
</table>

On Wednesday 16th January, 2019, Dr. The Honourable Keith Rowley, Prime Minister of the Republic of Trinidad and Tobago delivered the Feature Address and turned the sod, to officially commence construction for the Diego Marcano Pedestrian Overpass/Walkway.
EXPANDING THE NATIONAL HIGHWAY NETWORK

Closing the transportation infrastructure gap represents the profound opportunity to literally pave the way toward a sustainable future. Expanding the highway network will create interconnectivity between rural and urban communities, and ease traffic congestion in Tiridat and Tibraga. As the MOWT continues to lead Government’s efforts to expand the nation’s highway capacity, the following projects are being undertaken:

CHURCHILL ROOSEVELT HIGHWAY EXTENSION TO MANZANILLA (CHREH) PROJECT

The project entails construction of a new highway from the intersection of the Churchill Matthew Highway/Caminata Road to Manzallina (CHREH). The highway will be a four lane free-flow structure with the following benefits:

- The construction of this highway will see over 3,600 new workers being integrated into the workforce. Contracted, skilled and unskilled laborers will all have equal access to jobs and employment opportunities. It will also increase the potential to create numerous types of jobs inclusive of mechanics, carpenters, drivers, vehicle operators, road builders, maintenance personnel etc;

- A significant reduction in vehicle congestion in Caucuttta and its surrounding areas;

- An increase in property values and commerce in the area particularly in the vicinity of the route, as the access to land will become easier.

- The highway will ensure that in a time of disaster, an adequate route will be available for bringing in relief and evacuating people out of east Tiridat;

The CHREH project connects to the proposed highway to Tocu from an interchange at Cau Road. The Highway to Tocu creates a major link to the proposed Port at Tocu which will facilitate an additional route between Tiridat and Tibraga. All towns/garages generated through this route are inclusively attributable to the CHREH Project, and:

- The travel time from Port of Spain to Sangre Grande will take as little as 1 hour.

ACHIEVEMENTS IN 2018:

Following the favourable ruling of the Privy Council, construction recommenced on Phase 1 (Package 1A) of the project. A trial stretch that was previously awarded to Kafco Ltd. More than 50% of designs have been completed for the remaining packages of Phase 1 to Phase 3. This project has been divided into ten (10) packages and includes:

- Widening and realignment of the CRH to accommodate six lanes and frontage roads north and south of the CRH;

- Construction of a roundabout in the southeastern quadrant near Kay Dixma and R2-Realignment of the Southern Main Road. This project will bring relief to thousands of motorists who travel along the CRH daily.

In 2018, the construction contract was awarded to China Railway Construction (Cubine) Co. Ltd. The project completed date for the project is December 2019.

SALOMIN HOCHEY HIGHWAY EXTENSION TO POINT FORTIN (SHHEP) PROJECT

The Government remains focused on completing the Salomon Hochey Highway Extension to Point Fortin (SHHEP) Project. The current project priorities include the completion of the southern link from Damfrias intersection to Dammans with a connection from Mon Desir Interchange back to Fyadalafil. This priority link involves the completion of approximately 5km of highway and includes the completion of St. Mary’s, Grant Road, Mon Desir and La Brea Interchanges. Also included in the completion of roadworks at Dammans intersection, Shores of Peace and Dammans as well as overpasses with connectivity at Dammans Road and La Brea Road. There is the intention to further the connectivity of the Salomon Hochey Highway from Gokonda to Fyadalafil and therefore in a second priority, the objective is to complete all works between Gokonda to Speedo Trace to Penal to improve movement along the SHHEP roadmap.

In 2018, NDECO successfully completed works on three packages of the highway which include:

- Upgrade and widening of approximately 3.5 km of the South Trunk Road between the Dammans intersection to Felix Lannes;

- Upgrade and widening of approximately 2.0 km of the South Trunk Road between Gokonda River Bridge to St. Mary’s;

- Construction of Gokonda Creek Bridge and Gokonda River Bridge located along the South Trunk Road; and

- Commencement of works on the upgrade and widening of a further 2.5 km of the South Trunk Road along Mosquito Creek.

In 2019, construction works on the remaining nine (9) packages are expected to begin which would see considerable progress in the following areas:

- A 4.0 km of highway between Felix Lannes and La Brea;

- An 8.0 km of highway between St. Mary’s to Grant Road, 2.5 km of highway between Fyadalafil to Mon Desir Interchange;

- A 4.5 km of highway between Southern Main Road and Dammans Roundabout;

- A 2.0 km of highway between La Brea Interchange and Southern Main Road;

- Thre (3) interchanges including St. Mary’s, La Brea, and Mon Desir; and

- Six (6) bridges including Mon Desir Interchange Bridge, Delhi Round Overpass, Opposite River Bridge, No. 8 Road Overpass, Gokonda River Bridge, Mosquito Creek North bound Bridges.

ACHIEVEMENTS IN 2018:

- The preferred highway route has been selected and is a combination of existing and new roadway;

- Detailed designs for 2 work packages have been prepared and will be used to invite tenders; and

- Preparation works are underway to support the application for Certificates of Environmental Clearance.

- Construction of the new Valencia to Toco roadway will be completed using 10 work packages.
PORT OF PORT OF SPAIN (PPOS) OVERVIEW AND OUTLOOK

In 2018, the main focus of PPOS continued to be providing higher levels of customer service in the supply chain to all customers and stakeholders. These efforts resulted in:

<table>
<thead>
<tr>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Throughput of 252,159 twenty-foot containers</td>
<td>Throughput of 267,752 twenty foot equivalent units (TEU's or 20ft containers). This is an increase of six percent over the last year.</td>
</tr>
<tr>
<td>Throughput of 25,937 vehicles</td>
<td>Throughput of 29,797 vehicles which represents an increase of 15 percent. This figure included the marked increase in the handling of transshipment vehicles.</td>
</tr>
</tbody>
</table>

**CRUISE SHIP COMPLEX – PORT OF SPAIN**

The Cruise Ship Complex facility is managed by the Cruise Shipping department of the Port Authority of Trinidad and Tobago. The department facilitates the smooth and efficient operation of cruise ship arrivals, which include: pre-planning, timely dispatch of ground tours, communication and coordination with all stakeholders.

The first cruise ship for the season, the Caribbean Princess, arrived on Monday 5th November 2018, with more than 3,000 passengers. The last ship to call will be the MSC Prezio on Wednesday 3rd April 2019. The cruise season runs from approximately September to April.

The Cruise Ship Complex expects a similar passenger arrival in the 2018-2019 season, as it did in 2017-2018.

**GALLEONS PASSAGE – 2018**

From October to December
- Passenger seats available 28,800
- Total Passengers transported 22,442
- Total vehicle capacity 5,470
- Total Vehicles Transported 4,876.

**T&T SPIRIT – 2018**

From April to December
- Passenger seats available 609,330
- Total Passengers transported 255,445
- Total vehicle space 65,350
- Total vehicles transported 60,38.

**CABO STAR – 2018**

From January to December
- Passenger seats available 54,150
- Total passengers transported 44,621
- Total vehicle space 155,400
- Total vehicles transported 77,450.

In keeping with its mandate to provide efficient and reliable inter-island transport services, the Board and Management of the Authority is committed to enhancing the operations of the Inter Island Ferry Service. As such, a more robust maintenance system has been implemented and is being monitored through the Marsoft system to ensure optimum performance of the vessels. Additionally, operational procedures are being reviewed to enhance the existing business processes. By 2020, the operations of the sea bridge will be improved with the addition of two new vessels which are currently being procured by NIDCO.

**FIXED SCANNER OPERATIONALIZED**

One of the major highlights at the Port was the operationalization of the fixed scanner on Friday 12th October, 2018. With the introduction of the scanner, the scanning process, including documentation, now takes approximately 12 minutes per container, which has improved the process, making it much quicker.

The benefits of the scanner are:
- To provide greater accountability of duty and taxes with regard to the importation of goods;
- To provide an enhanced effort in national security as a detection tool for illegal drugs and ammunition;
- To provide greater efficiency and productivity in the overall processing for Customs and Excise in the supply chain; and
- To date, 1,973 containers have been scanned, averaging approximately 45 containers scanned per day. The mobile scanner will also be operationalized during the first quarter of 2019.
The Public Transport Service Corporation (PTSC)

300 NEW BUSES BY 2021

The Public Transport Service Corporation (PTSC) is a major transport provider in Trinidad and Tobago. On a daily basis, PTSC has an operational fleet of 240 buses with an average daily ridership of 27,000 persons. PTSC, in its efforts to provide a clean environment is focused on supplying environmentally friendly fueled buses. Currently, PTSC has sixty (60) Compressed Natural Gas (CNG) buses in its core fleet. This inventory will be enhanced with the addition of 12 CNG buses by mid 2019.

LAUNCH OF 1 MEGA WATT GENERATOR

To ensure business continuity in the event of a disaster or disturbance, PTSC launched a 1 Mega Watt Generator which would guarantee a steady supply of electricity. The project cost the Corporation approximately TT$4M. This generator comes with an automatic transfer switch to provide backup power for the entire South Quay compound which includes the passenger loading areas, the concessionaires, the bus fuelling station, maxi taxi areas and more.

Second photograph – from left: Mr. Edwin Gooding Chairman of PTSC, Senator the Honourable Rohan Sinanan Minister of Works and Transport, Mrs. Sonia Francis-Yearwood Permanent Secretary Ministry of Works and Transport, Mr. Bashir Mohammed General Manager PTSC.

BUS SHELTER PROGRAMME

PTSC successfully launched a Bus Shelter Programme on the Priority Bus Route. Bus shelters across Trinidad and Tobago are being refurbished to ensure commuters have adequate coverage. To date, 6 shelters have been completed and a further 6 would be refurbished by March 2019.

BUS STOP PROGRAMME

Over 100 Bus stop signs were installed along priority routes. These new signs have been enhanced to allow commuters and bus drivers to easily recognize them at night because they are reflective. As well, each bus stop has a unique ID code for commuters to easily plan their trips and identify their destinations.

EXPANSION OF BUS FLEET AND INTRODUCTION OF TECHNOLOGY

In 2019, PTSC will add 25 additional buses with another 300 to follow by the year 2021. The expansion of the existing bus fleet will allow for a reliable and efficient bus service never before experienced throughout Trinidad and Tobago.

Members of the general public can look forward to the launch of a Luxury Coach Service from Port of Spain to Arima. PTSC is moving forward with technological enhancements by adding a Mobile Application and an Interactive Website. Google Transit will help enhance the commuter’s ridership experience, through easy access to routes and schedules. Transit connects potential riders with transportation information across desktops and mobile devices.