

SCOPE OF WORKS

RFQ 72206 - 03L Runway Rehabilitation Threshold at Airports Company South Africa OR Tambo International Airport.

Project Description

Surface rehabilitation of the 03L runway threshold between taxiway Bravo & Juliet (see below extent of works marked in red rectangular box in figure 1). The length and width of the area to be rehabilitated is 70m and 30m respectively.

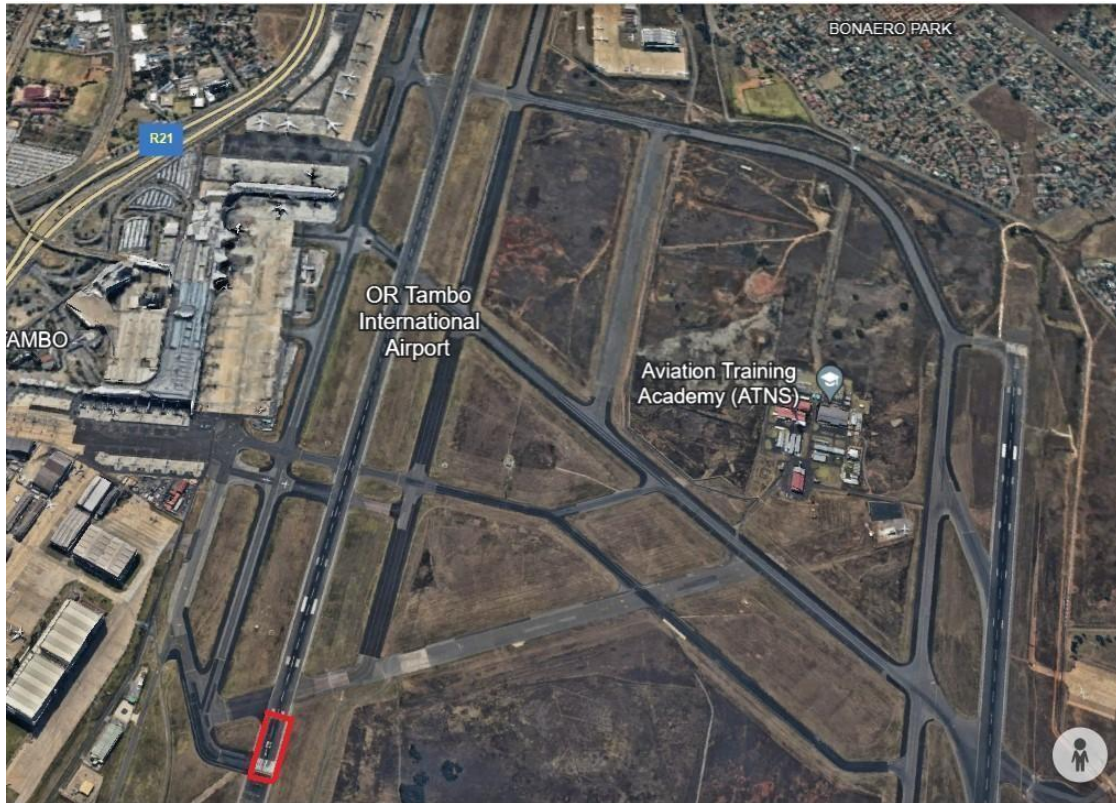


Figure 1: 03L runway threshold between taxiway Bravo & Juliet



Works will be based on COTO standard specifications for road & bridge works for South African Road Authorities (chapter 1.2, 1.3, 1.5, 4.3, 9.1, 11.7, 11.9 and 20.1)

- General requirements & provisions
- Contractor's establishment onsite & general obligations
- Accommodation of traffic
- Existing road materials
- Asphalt layers & Electrical works for AGLs (aircraft ground lights)
- Road markings and road studs
- Finishing the road and road reserve and treating old roads
- Testing materials and judgement of workmanship

The activities will consist of the following:

- Milling 200mm of the asphalt layer on the affected runway threshold area of 03L between taxiway Bravo & Juliet.
- Replace with 80mm PG64H-16(PMB) surfacing (full area) and 120mm PG64H-16(PMB) base (full area)
- Implement polypropylene non-woven asphalt reinforcing
- Installation of subsoil drains

Contractors Requirements

- i) Compilation and submission for approval of a detailed site safety plan and work method statements, all in compliance with the Manual for Working Airside – Volume 5.
- ii) Attendance by all site staff of a safety training course and obtaining ACSA permits. This includes the necessary vehicle and equipment driving permits for any driver having to drive airside, as indicated in the Manual for Working Airside – Volume 5.
- iii) Compile and submit a quality management plan for approval by the Employer's Agent.
- iv) Compliance with local and national Occupational Health and Safety regulations (OHS Act No. 85 of 1993) and ACSA Health and Safety regulations.
- v) Full compliance with the ACSA Environmental Specifications.
- vi) Establishment on site of the camp, asphalt plant and construction equipment on the area allocated for this project.
- vii) Locating, relocating (where required) and protection of all services in the work areas.
- viii) Undertaking of asphalt mix designs and trials to prove compliance with specifications.
- ix) Structured and detailed interaction with various role players at the airport to ensure timeous completion of the works for each shift. These role players include the staff of the Airport Management (AM) and the Air Traffic Control (ATC). Management of the project planning and operational procedures for working airside.
- x) Cleaning of the construction area after each work shift to the satisfaction of AM staff.

Pavement rehabilitation

Work will have to be undertaken in phases taking the current traffic pattern into consideration and ensuring that the airport will still be operational during the construction period. All works will be night shift and the work areas will be available at the following time periods:

- Main runway From 00h30 to 05h00

(a) Electrical Works

Electrical work is limited in this contract. The contractor shall make every effort to identify all existing underground services. This is especially required when work is carried out within the taxiways.



All lights on the taxiways affected by the remedial pavement works will need to be removed and replaced during the same shift.

Provision is made to install sleeves or to re-slot damaged and old cables next to the existing cables into the existing runways. This activity will be done before any rehabilitation works commence to limit the amount of joints on the final surfacing.

Changes to Scope of Work

It is a condition of this contract that the employer reserves the right to limit the total expenditure on the Works due to possible budget constraints. Should the tender sum exceed the budgeted amount, the scope of the works may be reduced at any time before or during the contract period to ensure that the final contract amount does not exceed the budgeted amount.

TEMPORARY WORKS

The Contractor shall obtain written permission from the Employer's Agent before construction of any temporary works may commence. Temporary works will include the following:

- (a) Where applicable (in limited occupation areas), transverse and longitudinal ramps at the end of each shift during construction of the asphalt overlays on the runways and taxiways. The details for the construction and removal of these ramps are discussed in the project specification.
- (b) Signage and markings for the surface movement of aircraft and vehicles.
- (c) Placing and removal of barricades where required.
- (d) All facilities within the Contractor's construction camp. The design shall comply with the specifications where provided in these documents and all statutory requirements such as the Occupational Health and Safety Act and Regulations. The area is to be reinstated upon completion.
- (e) Access roads for the construction camp and temporary material stockpile site. These roads are to be designed, constructed and maintained by the Contractor to comply with safety and environmental requirements. They must be reinstated upon completion the Works.

HEALTH AND SAFETY

- **Health and Safety Requirements and Procedures**

Health and Safety requirements and procedures are presented in Annexure B, Section C3.7.1.

- **Barricades and lighting**

Requirements for the provision and usage of barricades and lighting are stated in Volume 5 and Sections A1.3 and A1.5 of the Specifications.

- **Traffic Control**

Safety requirements and procedures where the Contractor has occupation of taxiways, runways or roads are stated in **Volume 5** and **Section A1.5 of the Specification**.

