



AIC

TEL: + (675) 3121581
AFTN: AYPMYNYX
Fax: + (675) 3121593
E-mail: ais@pngairservices.com.pg

AERONAUTICAL INFORMATION SERVICES
P.O BOX 273
BOROKO, NCD 111
PAPUA NEW GUINEA

6/2015
22 JUNE

VANIMO AIRPORT PAVEMENT UPGRADING AND ASSOCIATED WORKS

1. PURPOSE

- 1.1 The purpose of this AIC is to inform the industry of Aircraft pavement upgrading and associated works at Vanimo Airport, as part of the Civil Aviation Development Investment Program (CADIP) airports improvement program.

2. INFORMATION

- 2.1 National Airports Corporation (NAC) is the construction Authority through the CADIP Project Implementation Unit (PIU). The works will be carried out by the Contractor and supervised by Beca International Ltd/CADIP Project Implementation Unit.
- 2.2 Any queries should be forwarded to the following officers:
1. Mr. Thomas Peter (Airport Safety Officer/Vanimo Airport, NAC) – Telephone 4571242 / Mobile 70914353
 2. Mr. Joseph Olis (Airport Safety Officer/Vanimo Airport, NAC) – Telephone 4571242 / Mobile 70316422.
 3. Mr. Michael Tolimanaram (Project Engineer, NAC) – Telephone 3244573 Mobile 72073746

3. IMPLEMENTATION

- 3.1 The works has commenced on the 16th of June 2015 and will continue for approximately 15 months. The planned completion date is beginning of September 2016 however, the time for completion may be extended due to unforeseen circumstances which may arise including, wet weather conditions.
- 3.2 The Works will be carried out from Monday to Saturday from 2100UTC to 0700UTC. A NOTAM will be issued prior to commencement of works at least forty eight (48) hours in advance, but maybe subject to change due to weather conditions.

4. METHOD OF WORKING PLAN

The method of working plan (MOWP) will be carried out in stages and consists of 10 stages. Each stage of the MOWP is as follows:-

STAGE 1 16th June 2015 to 18th July 2015

Northeast portion of existing Apron area between chainages CH1250 to CH1200.

STAGE 2 18th July 2015 to 23rd August 2015

Southeast end from CH 2440.00 to CH 2790.00 and 45m left and right of Runway Centreline.

STAGE 3 23rd August 2015 to 22nd September 2015

Southeast end from CH 2320.00 to CH 2540.00 and 45m left and right of Runway Centerline.

STAGE 4 22nd September 2015 to 22nd October 2015

Southeast end from CH 2100.00 to CH 2320.00 and 45m left and right of Runway Centerline

STAGE 5 22nd October 2015 to 21st November 2015

From CH 1990.00 to CH 2100.00 and 45m left and right of Runway Centerline

STAGE 6 21st November 2015 to 21st December 2015

From CH 1880.00 to CH 1990.00 and 45m left and right of Runway centerline.

STAGE 7 21st December 2015 to 20th January 2016

From CH 1660.00 to CH 1880.00 and 45m left and right of Runway centerline.

STAGE 8 20th January 2016 to 19th February 2016

From CH 1440.00 to CH 1660.00 and 45m left and right of Runway centerline.

STAGE 9 19th February 2016 to 29th April 2016

From CH 1110.00 to CH 1440.00 and 45m left and right of Runway centerline, remaining half of Taxiway and remaining half of Apron.

STAGE 10 29th April 2016 to 29th May 2016

From CH 1000.00 to CH 1110.00 and 45m left and right of Runway centerline.

5. CANCELLATION

5.1 This AIC will remain current until works is completed.

6. CURRENT AICs:

- 1991: 6.
- 1994: 1, 3.
- 1998: 1.
- 2002: 1.
- 2003: 1.
- 2004: 1.
- 2005: 1.
- 2006: 1.
- 2008: 1.
- 2009: 2.
- 2011: 1
- 2013: 3, 5, 8, 9.
- 2014: 3, 4, 5, 6.
- 2015: 1, 2, 4, 5, 6



**National
Airports
Corporation**
PAPUA NEW GUINEA

METHOD OF WORKING PLAN No. 02/2015

VANIMO AERODROME

AIRCRAFT PAVEMENT UPGRADING AND ASSOCIATED WORKS

AUTHORITY

This Method of Working Plan is issued under the Authority of the Civil Aviation Rules Part 139 Advisory Circular 139-4 and all works shall be carried out in compliance with that direction and the specific requirements of this document.

Failure to comply with the requirements of this Method of Working Plan will constitute a breach of the Civil Aviation Act 2000 (as amended) and offenders will be liable to prosecution.

1.0 DESCRIPTION OF WORKS

The Works consists of the following; -

- Repairs to existing aircraft pavements;
- Strengthening of existing aircraft pavements;
- Widen Taxiway and Apron pavements;
- Construct shoulders to Runway, Taxiway and Apron;
- Aircraft Parking Positions (2 No Concrete parking pads);
- Three coat (10mm, 7mm and sand) Bituminous surfacing to new pavement surfaces;
- Application of new Pavement Markings;
- Refurbishment works to existing Open Unlined Drains (OUD) on each side of the existing runway strip;
- Decommissioning and removal of existing AT-Vasis system;
- Approach Lighting (PAPI) installation including electrical reticulation and flight testing;
- Construct 2 No concrete encased cable ducts under taxiway and runway pavements respectively;
- Associated works on Landside includes;
 - Terminal building modifications
 - Tractor shed construction
 - Car park refurbishment
 - Standby Generator Shed/Power Generation/Supply
 - Associated miscellaneous works

Stage 1

Extent of works area:

Northeast portion of existing Apron area between chainages CH1250 to CH1200.

- Remove existing seal and Pavement repairs on 20m area of existing apron;
- Pavement strengthening on 20m width of existing apron up to finished basecourse level;
- Construct new Apron extension up to finished basecourse level;
- Construct temporary ramp to existing pavement;
- Construct half strength 5.0m wide apron shoulders up to finished surface level;
- Prime, apply 3 coat seal (10mm/7mm & sand) bitumen to new pavement surface and paint permanent pavement markings;
- Apply Fuel Resistant Membrane at aircraft parking areas;
- Install Aircraft Earthing Points;
- Construct part of temporary parallel Taxiway including temporary culvert construction up to finished surface levels, apply prime and 1 coat seal and paint temporary pavement markings;
- Decommission existing apron lights and remove.

Stage 2

Extent of works area:

Southeast end from CH 2440.00 to CH 2790.00 and 45m left and right of Runway Centerline

- Strengthening of existing runway pavements up to finished basecourse level;
- Construct full strength 3.0m wide shoulders up to finished surface level;
- Prime and apply 3 coats (10mm/7mm and sand) bitumen seal to new pavement surface and paint permanent pavement markings;
- Runway Strip grading to 90m wide including topsoil and grassing;
- Refurbish existing Open unlined drainage at edge of existing runway strip;
- Decommission and carefully remove AT-Vasis (RWY30 End) and deliver to NAC compound.

Stage 3

Extent of works area:

Southeast end from CH 2320.00 to CH 2540.00 and 45m left and right of Runway Centerline

- Strengthening of existing runway pavements up to finished basecourse level;
- Construct full strength 3.0m wide shoulders up to finished surface level;
- Prime and apply 3 coats (10mm/7mm and sand) bitumen seal to new pavement surface and paint permanent pavement markings;
- Runway Strip grading to 90m wide including topsoil and grassing;
- Refurbish existing Open unlined drainage at edge of existing runway strip;
- Construct new 4 x PAPI concrete slabs.

Stage 4

Extent of works area:

Southeast end from CH 2100.00 to CH 2320.00 and 45m left and right of Runway Centerline

- Strengthening of existing runway pavements up to finished basecourse level;
- Construct full strength 3.0m wide shoulders up to finished surface level;
- Prime and apply 3 coats (10mm/7mm and sand) bitumen seal to new pavement surface and paint permanent pavement markings;
- Runway Strip grading to 90m wide including topsoil and grassing;
- Refurbish existing open unlined drainage at edge of existing runway strip;
- New PAPI installation SE end.

Stage 5

Extent of works area:

From CH 1990.00 to CH 2100.00 and 45m left and right of Runway centerline

- Pavement repairs as required to match existing basecourse surface level;
- Strengthening of existing runway pavements up to finished basecourse level;
- Construct full strength 3.0m wide shoulders up to finished surface level;
- Prime and apply 3 coats (10mm/7mm and sand) bitumen seal to new pavement surface and paint permanent pavement markings;
- Runway strip grading to 90m wide including topsoil and grassing;
- Refurbish existing open unlined drainage at edge of existing runway strip.

Stage 6

Extent of works area:

From CH 1880.00 to CH 1990.00 and 45m left and right of Runway centerline.

- Pavement repairs as required to match existing basecourse surface level;
- Strengthening of existing runway pavements up to finished basecourse level;
- Construct full strength 3.0m wide shoulders up to finished surface level;
- Prime and apply 3 coats (10mm/7mm and sand) bitumen seal to new pavement surface and paint permanent pavement markings;
- Runway strip grading to 90m wide including topsoil and grassing;
- Refurbish existing open unlined drainage at edge of existing runway strip;
- Carefully remove existing AT-VASIS boxes and supports at NW end and deliver to NAC compound.

Stage 7

Extent of works area:

From CH 1660.00 to CH 1880.00 and 45m left and right of Runway centerline.

- Pavement repairs as required to match existing basecourse surface level;
- Strengthening of existing runway pavements up to finished basecourse level;
- Construct full strength 3.0m wide shoulders up to finished surface level;
- Prime and apply 3 coats (10mm/7mm and sand) bitumen seal to new pavement surface and paint permanent pavement markings;
- Runway strip grading to 90m wide including topsoil and grassing;
- Refurbish existing open unlined drainage at edge of existing runway strip.

Stage 8

Extent of works area:

From CH 1440.00 to CH 1660.00 and 45m left and right of Runway centerline.

- Pavement repairs as required to match existing finish basecourse surface level;
- Strengthening of existing runway pavements up to finished basecourse level;
- Construct full strength 3.0m wide shoulders up to finished surface level;
- Prime and apply 3 coats (10mm/7mm and sand) bitumen seal to new pavement surface and paint permanent pavement markings;
- Runway strip grading to 90m wide including topsoil and grassing;
- Refurbish existing open unlined drainage at edge of existing runway strip.

Stage 9

Extent of works area:

From CH 1110.00 to CH 1440.00 and 45m left and right of Runway centerline, remaining half of Taxiway and remaining half of Apron

- Pavement repairs as required to match existing basecourse surface level;
- Strengthening of existing runway, taxiway and apron pavements up to finished basecourse level;
- Construct full strength 3.0m wide runway shoulders up to finished basecourse level;
- Construct half strength 5.0m wide taxiway shoulders up to finished basecourse level;
- Construct half strength 5.0m wide apron shoulders up to finished surface level;
- Construct half strength taxiway fillets up to finished basecourse level;
- Prime and apply 3 coats (10mm/7mm and sand) bitumen seal to new pavement surface and paint permanent pavement markings;
- Runway strip grading to 90m wide including topsoil and grassing;
- Refurbish existing open unlined drainage at edge of existing runway strip;
- Construct new taxiway culvert;
- Remove temporary ramp on Apron.

Stage 10

Extent of works area:

From CH 1000.00 to CH 1110.00 and 45m left and right of Runway centerline, remaining half of Taxiway and remaining half of Apron

- Pavement repairs as required to match existing basecourse surface level;
- Strengthening of existing runway, taxiway and apron pavements up to finished basecourse level;
- Construct full strength 3.0m wide runway shoulders up to finished basecourse level;
- Prime and apply 3 coats (10mm/7mm and sand) bitumen seal to new pavement surface and paint permanent pavement markings;
- Runway strip grading to 90m wide including topsoil and grassing;
- Refurbish existing open unlined drainage at edge of existing runway strip;
- Install PAPI system NW end;
- Testing and commissioning of new PAPI system (RWY12/30).