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AIC
4/2015
26th FEBRUARY

GIRUA AIRPORT PAVEMENT STRENGTHENING AND ASSOCIATED WORKS

1. PURPOSE

- 1.1 The purpose of this AIC is to inform the industry of Aircraft pavement strengthening works at Girua 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 China Harbour Engineering Corporation (CHEC) and supervised by BECA International Ltd/CADIP Project Implementation Unit.

- 2.2 Any queries should be forwarded to the following officers:

1. Mr Lindsay Nasega (Airport Safety Officer/Girua Airport, NAC) - 70316440.
2. Mr. Alphonse Dresok (Project Engineer, NAC) – 3244585 / 71144186.

3. IMPLEMENTATION

- 3.1 The works is planned to commence on the 02nd of March 2015 and will continue for approximately **10** months. The planned completion date is end of January 2016 however the time for completion may be extended due to unforeseen circumstances which may arise including wet weather.
- 3.2 The Works will be carried out from Monday to Saturday from 2100UTZ to 0700UTC. A NOTAM will be issued prior to commencement of works at least forty eight (48) hours in advance, but may be subject to change due to weather conditions.

4. METHOD OF WORKING PLAN

- 4.1 The method of working plan (MOWP) will be carried out in stages and consists of seven (7) stages. Each stage of the MOWP is as follows:

STAGE 1 *2nd March to 2nd April 2015*

- Northeast portion of existing runway from chainages 1475.00 to 1675.00.

STAGE 2 *2nd April to 2nd May 2015*

- Northeast mid portion of existing runway from chainages 1275.00 to 1475.00.

STAGE 3 **2nd May to 17th June 2015**

- Mid Northeast portion of existing runway from chainages 1037.50 to 1275.00

STAGE 4 **17th June to 31st July 2015**

- Mid portion of existing runway chainages from 837.50 to 1037.50, including part Temporary taxiway and northeast portion of existing apron.

STAGE 5 **31st July to 31st August 2015**

- Southwest mid portion of existing runway from chainages 637.50 to 837.50.

STAGE 6 **31st August to 31st October 2015**

- Southwest portion of existing runway from chainages 400.0 to 637.50 including existing Taxiway and Southwest portion of existing Apron.

STAGE 7 **31st October 2015 to 31st January 2016**

- Southwest portion of existing runway from chainages 0.00 to 400.00.

4.2. The detailed MOWP is attached.

5. CANCELLATION

5.1 This AIC will remain current until works is completed.

6. CURRENT AIC:

- 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, 3, 4.



METHOD OF WORKING PLAN No. 01/2015

GIRUA AERODROME

AIRCRAFT PAVEMENT STRENGTHENING 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 of July, 2002 and offenders will be liable to prosecution.

DESCRIPTION OF WORKS

The Works consist of the following; -

Airside Works

- Strengthen existing aircraft pavements (Runway, Taxiway & Apron);
- Construct new 5.0m wide half strength shoulders to Apron;
- Widening of existing Taxiway;
- Construct new 7.5m wide half strength shoulders to Taxiway;
- Prime and three-coat bituminous spray seal (10mm/7mm) and sand overcoat to constructed pavements including shoulders;
- Construct temporary taxiway including earthworks, pavement construction, single coat bituminous spray seal (10mm) and pavement line markings;
- Apply Pavement Line Markings;
- Apply fuel resistant membrane on designated parking bays;
- Flank earthworks including top soiling and grassing; and
- Drainage Improvements.
- Supply & Install 2 x New Windsock (Primary & Secondary);

Landside Works

- Construction of New Terminal Building including car parking facilities;
- Construction of New Power House including electrical reticulation.
- Supply and Install 2 x 40kVA Generator set including electrical reticulation
- Construct 1 x 3 Bedroom elevated L40/96 high Post House with a storeroom underneath;
- Provision of 1 x New Tractor, Slasher, Trailer & Hay Bailer.
- Construct a lockable 4 bay Shed for Tractor, Slasher and Trailer near the NAC Safety Officer's Residence.

ORDER OF WORK

General layout drawings illustrating the extent of staging are shown in Drawing No's. CADIP-46-PNP-M001 to CADIP-46-PNP-M004, attached to this Method of Working Plan.

Stage 1

Drawing No. CADIP-46-PNP-M001 Stage 1 refers.

Duration: 1 Month

Extent of works area:

Northeast portion of existing runway from chainages 1475.00 to 1675.00.

- Pavement repairs on central 12m of existing runway including Turning Node.
- Construct Runway overlay up to finished base course levels including 3m wide runway shoulders, and Turning Node.
- Construct New Open unlined drain at edge of runway strip.
- Prime and apply 3 coat bituminous spray seal (10mm/7mm & sand) to new pavement surface and apply permanent pavement markings.
- Runway strip grading to 90m wide including topsoil and grassing.

Stage 2

Drawing No. CADIP-46-PNP-M001 Stage 2 refers.

Duration: 1 Month

Extent of works area:

Northeast mid portion of existing runway from chainages 1275.00 to 1475.00.

- Pavement repairs on central 12m of existing runway.
- Construct Runway overlay up to finished base course levels including 3m wide runway shoulders.
- Construct New Open unlined drain at edge of runway strip.
- Prime and apply 3 coat bituminous spray seal (10mm/7mm & sand) to new pavement surface and apply permanent pavement markings.
- Runway strip grading to 90m wide including topsoil and grassing.

Stage 3

Drawing No. CADIP-46-PNP -M002 Stage 3 refers.

Duration: 1.5 Months

Extent of works area:

Mid Northeast portion of existing runway from chainages 1037.50 to 1275.00.

- Pavement repairs on central 12m of existing runway.
- Construct Runway overlay up to finished base course levels including 3m wide runway shoulders.
- Construct New Open unlined drain at edge of runway strip.
- Prime and apply 3 coat bituminous spray seal (10mm/7mm & sand) to new pavement surface and apply permanent pavement markings.
- Runway strip grading to 90m wide including topsoil and grassing.

Stage 4

Drawing No. CADIP-46-PNP -M002 Stage 4 refers.

Duration: 1.5 Months

Extent of works area:

Mid portion of existing runway chainages from 837.50 to 1037.50, including part temporary taxiway and northeast portion of existing apron.

- Pavement repairs on central 12m of existing runway.
- Construct Runway overlay up to finished base course levels including 3m wide runway shoulders.
- Construct New Open unlined drain at edge of runway strip.
- Prime and apply 3 coat bituminous spray seal (10mm/7mm & sand) to new pavement surface and apply permanent pavement markings.
- Runway strip grading to 90m wide including topsoil and grassing.
- Construct 15m wide temporary taxiway including single coat bituminous spray seal (10mm) and apply pavement markings, and flank earthworks.
- Construct Apron overlay up to finished basecourse levels.
- Construct 5.0m wide Apron shoulders.
- Flank earthworks to apron.
- Construct reinforced concrete parking wheel pads.
- Apply Fuel Resistant Membrane at designated aircraft parking areas.
- Install Aircraft Earthing Points.

Stage 5

Drawing No. CADIP-46-PNP -M003 Stage 5 refers.

Duration: 1 Month

Extent of works area:

Southwest mid portion of existing runway from chainages 637.50 to 837.50.

- Pavement repairs on central 12m of existing runway.
- Construct Runway overlay up to finished base course levels including 3m wide runway shoulders, and Turning Node.
- Construct New Open unlined drain at edge of runway strip.
- Prime and apply 3 coat bituminous spray seal (10mm/7mm & sand) to new pavement surface and apply permanent pavement markings.
- Runway strip grading to 90m wide including topsoil and grassing.

Stage 6

Drawing No. CADIP-46-PNP -M003 Stage 5 refers.

Duration: 2 Months

Extent of works area:

Southwest portion of existing runway from chainages 400.00 to 637.50 including existing Taxiway and Southwest portion of existing Apron.

- Pavement repairs on central 12m of existing runway.

- Construct Runway overlay up to finished base course levels including 3m wide runway shoulders.
- Construct New Open unlined drain at edge of runway strip.
- Prime and apply 3 coat bituminous spray seal (10mm/7mm & sand) to new pavement surface and apply permanent pavement markings.
- Runway strip grading to 90m wide including topsoil and grassing.
- Construct Taxiway overlay up to finished basecourse levels including removal of existing culvert and installation new culvert construction.
- Construct 7.5m wide Taxiway shoulders.
- Construct Apron overlay up to finished basecourse levels.
- Construct 5.0m wide Apron shoulders.
- Flank earthworks to taxiway and apron.
- Construct reinforced concrete parking wheel pads.
- Apply Fuel Resistant Membrane at designated aircraft parking areas.
- Install Aircraft Earthing Points.

Stage 7

Drawing No. CADIP-46-PNP -M003 Stage 5 refers.

Duration: 3 Months

Extent of works area:

Southwest portion of existing runway from chainages 0.00 to 400.00.

- Pavement repairs on central 12m of existing runway including Turning Node.
- Construct Runway overlay up to finished base course levels including 3m wide runway shoulders, and Turning Node.
- Construct New Open unlined drain at edge of runway strip.
- Prime and apply 3 coat bituminous spray seal (10mm/7mm & sand) to new pavement surface and apply permanent pavement markings.
- Runway strip grading to 90m wide including topsoil and grassing.