

CM13.5. Reconstruction of Taxiways at Albury Airport Contract No. 18/02685

DATE	29 November 2018	FIL REFERENCE	FIL18/02685
CONFIDENTIAL	No		
FURTHER ENQUIRIES	Bradley Ferris Director Engineering	PHONE	6023 8233
AUTHOR	Ian Redman		

Purpose of Report

To recommend a preferred contractor for the Reconstruction of Taxiway Alpha (A), Echo (E) (Stage 4) and Taxiway Charlie (C) (Stage 2) through a qualitative and quantitative assessment.

Background

Albury Airport is a major regional airport servicing a population of approximately 190,000 people and providing essential transport links to Sydney, Melbourne and beyond. The airport supports Regular Passenger Transport (RPT) services, air charter operations, air ambulance services and a range of aircraft maintenance and aviation related industries. Through partnering with three RPT airlines, providing 180 flights per week, in excess of 260,000 passengers per annum utilise the facility to connect nationally and internationally.

The Albury Airport has a legislative obligation to conduct an annual Aerodrome Technical Inspection of the movement area pavements and drainage to ensure the ongoing safety of airport facilities. The annual Technical Inspection undertaken in November 2013 identified the poor condition and deterioration of the surfaces of Taxiway A, C and E, and recommended resurfacing these taxiways. As a result, budget estimates were included in future capital budget forecasts to complete these works.

In 2018, AlburyCity developed a 15-year Albury Airport Master Plan. Again, identified within this plan were short-term objectives (0-2 years) as follows:

- reconstruction and upgrade of Taxiway Charlie (C) to accommodate aircraft with Maximum Take-off Weight (MTOW) greater than 5,700kg; and
- reconstructing and reshaping of Taxiway Alpha (A) up to Taxiway Echo (E) including shoulder widening.

The Master Plan also identified as a medium-term objective (2-10 years) to:

- extend Taxiway Alpha (A) from Taxiway Echo (E) to runway 07 threshold as new pavement construction (Separable Portion).

These proposed upgrades seek to improve Regular Public Transport (RPT) and General Aviation (GA) efficiencies by reducing take-off and landing delays through the improvement and addition of

possible runway entry and exit points. In addition, these civil works will provide runway access for the future multi-use 'Western Precinct' development as identified within the master plan.

In fulfilment of the above deliverables, Albury City Council invited suitably qualified tenderers to submit a tender for the reconstruction, shaping and extension of Taxiways A, C and E inclusive of upgraded taxiway and threshold lighting, along with works to enclose an existing open drainage channel located adjacent to Gate 8 entry/exit.

Council's budget allocation for the project is \$3.257M inclusive of GST, which includes \$1.567M resolved to be brought forward by Council at its meeting on 13 August 2018 based on the advanced status of the design elements.

The scope of the works included in this tender is summarised below:

- construction of approximately 18,800m² of new pavement for taxiways;
- upgrades to airfield lighting including conduits, pits, cables, commissioning and testing of approximately 100 new apron/taxiway and runway holding position lights;
- linemarking;
- installation of 59 box culverts and associated works to enclose the open drain; and
- landscaping of the construction area.

Additionally, within the medium term budget Council has appropriate funding allocated for future extension works of Taxiway Alpha (A) from Taxiway Echo (E) to runway 07 threshold.

Included in this tender was a Separable Portion for the extension of this taxiway to determine if economies of scale could be achieved and would enable these proposed future expansion works to be included in this contract.

The scope of the works included in the Separable Portion is summarised below:

- construction of approximately 6,600m² of new pavement for taxiways;
- upgrades to airfield lighting including conduits, pits, cables, commissioning and testing of 26 new apron/taxiway and runway holding position lights;
- linemarking;
- installation of 64 lineal metres of 375mm stormwater drainage; and
- landscaping of the construction area.

Tenders were invited for Contract No.18/02685 – Albury Airport – Reconstruction of Taxiway Alpha and Echo (Stage 4) and Taxiway Charlie (Stage 2) and advertised in the Border Mail, Sydney Morning Herald and on Tenderlink. Tenders closed at 12 noon on Tuesday 13 November 2018.

The contract duration is estimated at 20 weeks and will be completed in the 2018/19 financial year.

Locality plans are *attached* detailing the extent of the contract works.

Tender Evaluation

At close of tenders, four submissions were received from the following companies:

- Abbott Construction Pty Ltd (Ettamogah, NSW);
- Antoun Civil Engineering Aust Pty Ltd (Gilford, NSW);
- A P Delaney & Co Pty Ltd (Albury, NSW); and
- Excell Gray Bruni Pty Ltd (Wodonga, VIC).

All tenders were evaluated in accordance with Council's Procurement Policy and Guidelines. The evaluation was undertaken in a three stage process beginning with a general conformity assessment followed by quantitative and qualitative assessments.

The tender assessment panel consisted of Ian Redman (Team Leader Design), Isaac Greene (Project Engineer) and Peter Hanes (Team Leader Procurement & Contract Management).

Conformity Check

A conformity assessment was undertaken to ensure the submission was in accordance with the tender documentation.

Tenderer	Pricing Details	Supporting Information	WHS Compliance	Compulsory Site Inspection	Comments
Abbott Construction Pty Ltd	✓	✓	✓	✓	Fully complies
Antoun Civil Engineering Aust Pty Ltd	✓	✓	✓	✓	Fully complies
A P Delaney & Co Pty Ltd	✓	✓	✓	✓	Fully complies
Excell Gray Bruni Pty Ltd	✓	✓	✓	✓	Fully complies

As indicated above, all tenders were deemed conforming tenders. Both A P Delaney & Co Pty Ltd and Excell Gray Bruni Pty Ltd are currently WHS registered with Council. Abbott Construction Pty Ltd and Antoun Civil Engineering Aust Pty Ltd have demonstrated the appropriate WHS systems to gain Council registration.

Quantitative Assessment

The lump sum tender prices and ratings (excluding the Separable Portion) relative to the lowest price are tabulated below;

Tenderer	Tender Price (including GST)	Rating (max 100)
Antoun Civil Engineering Aust Pty Ltd	\$3,024,995.41	100

A P Delaney & Co Pty Ltd	\$3,874,873.10	78
Abbott Constuction Pty Ltd	\$4,014,637.68	75
Excell Gray Bruni Pty Ltd	\$4,617,197.20	66

As detailed above, the submission from Antoun Civil Engineering Aust Pty Ltd was the least expensive, being approximately \$850K or 28% more favourable than A P Delaney & Co Pty Ltd, approximately \$990K or 33% more favourable than Abbott Construction Pty Ltd and approximately \$1.592M or 53% more favourable than Excell Gray Bruni Pty Ltd.

As can be seen from the table above only one submission was within the budget figure of \$3.257M (including GST). With all remaining submission being between \$618K and \$1.36M (19% and 42% respectively) greater than the budgeted amount.

The lump sum tender prices and ratings for the Separable Portion only, relative to the lowest price are tabulated below;

Tenderer	Separable Portion - Tender Price including discount if included in this contract (including GST)	Rating (max 100)
Antoun Civil Engineering Aust Pty Ltd	\$1,166,403.43	100
A P Delaney & Co Pty Ltd	\$1,185,126.80	98
Abbott Constuction Pty Ltd	\$1,403,950.26	83
Excell Gray Bruni Pty Ltd	\$1,611,755.20	72

Given the budget allocation of \$3.257M inclusive of GST, the inclusion of the Separable Portion is not considered a viable option at this stage and was not further considered in the awarding of this contract.

Considering that the submission from Excell Gray Bruni Pty Ltd for this contract is approximately 42% greater than the budgeted figure and more than 50% greater than the lowest submission the panel determined that they should not be considered any further in the assessment process. It was considered that three submissions was a sufficient pool of competitive tenders to ensure that Council secures an appropriately qualified and experienced provider to undertake the contract.

Qualitative Assessment

The qualitative assessment involved the evaluation of the following criteria:

- resources - availability and ability to complete projects within timeframes;
- performance capability - referee checks and comments;
- methodology proposed - includes program of works, reporting and recording systems, management of traffic;
- management systems - quality assurance/systems/programs/procedures;
- relevant experience - experience and reputation in carrying out similar projects; and
- local benefit – economic and social contribution to the region

The respective weighting for each criteria, ratings and final score are shown in the following table.

Tenderer	Past Performance (Max 35)	Methodology and Program (Max 25)	Capacity (Max 20)	Capability (Max 10)	Local Benefit (Max 10)	Total Qualitative Score (Max 100)
Antoun Civil Engineering Aust Pty Ltd	31	21	16	9	6	83
A P Delaney & Co Pty Ltd	27	18	16	8	8	77
Abbott Construction Pty Ltd	21	15	13	6	7	62

Antoun Civil Engineering Aust Pty Ltd are based in Western Sydney and have specialist airport construction expertise, having previously undertaken a number of much larger projects working airside, valued at in excess of \$20M at Sydney and Melbourne International Airports and are currently carrying out taxiway construction works at Bathurst Aerodrome which is valued at a similar size to this project. Antoun Civil Engineering Aust Pty Ltd have also successfully undertaken a number of projects for the City of Parramatta, Randwick City, Fairfield and Wollondilly Councils. Their current commitments include Airside Perimeter Road Strengthening at Sydney Airport (expected to be completed February 2019), a levee wall at Toongabbie (expected to be completed December 2018), a Coastal Walkway, Boardwalk and Foreshore Walkway Restoration Works (expected to be completed February 2019), Prospect Creek Stabilisation Works (expected to be completed December 2018) and Cedar Creek Bridge (expected to be completed February 2019) all for local Councils in Sydney. The taxiway construction works at Bathurst Aerodrome are expected to be completed in February 2019.

Referee information indicated the company completed projects to a very high standard, are open in dialogue and prepared to work in unison with their clients. They also typically completed projects within the allocated time frames. Antoun Civil Engineering Aust Pty Ltd's management systems are ISO accredited.

Antoun Civil Engineering Aust Pty Ltd provided a very detailed methodology and works program indicating they can complete the works in 18 weeks.

The company indicated that the majority (approximately 90%) of material, plant and labour required for the contract would be sourced locally including earthworks, electrical, landscaping, survey, linemarking, road construction material and drainage. The company also indicated that they would contribute to a local sporting group should they be successful.

A P Delaney & Co Pty Ltd is a locally based company and has undertaken similar works working airside when they successfully completed the Airport RPT Apron and Taxiway Extension Stage 1 works for Council in 2013. A P Delaney & Co Pty Ltd has also successfully completed civil engineering projects in Victoria and New South Wales including most recently Stages 1A and 1B of Thurgoona Park North (Brooklyn Fields) in Thurgoona, and a number of stages of the White Box Rise Estate subdivision in Wodonga. Their current commitments include White Box Rise Estate, Wodonga (3 separate stages expected to be completed in December 2018), David Street, South Albury (expected to be completed in December 2018) and Rivalea Dam Construction, Corowa (expected to be completed in December 2018).

Referee information indicated the company completed projects to very high standard and typically completed projects within the allocated timeframes.

A P Delaney & Co Pty Ltd's work and procedures have met high standards on similar projects for AlburyCity (Nexus Industrial Subdivision Stage 1 and Airport RPT Apron and Taxiway Extension Stage 1). The company provided a concise methodology and program indicating a contract period of 23 weeks. The company listed an extensive amount of equipment available and robust management systems.

A P Delaney & Co Pty Ltd have indicated within their submission that should they be awarded this contract, 100% of the suppliers, subcontractors and materials for this project would be sourced locally. A P Delaney & Co Pty Ltd also note a significant number of community groups, sports teams and events which they provide sponsorship to within the local region, as well as a history of providing opportunities for Engineering university students to gain valuable work experience within the construction industry.

Abbott Construction Pty Ltd is a locally based company and has undertaken similar works working airside as a subcontractor at Wagga Wagga Airport in 2012. Abbott Construction Pty Ltd has also successfully completed civil engineering projects in Victoria and New South Wales including most recently a sub-division at Howlong, a commercial sub-division at Hoffman Road in Thurgoona and has provided plant and machinery at the Lavington Sports Ground Redevelopment. Their current commitments include works for Bendcraft in Fallon Street and ongoing cartage of materials for Burgess Quarries.

Referee information indicated the company completed projects to very high standard.

Abbott Construction Pty Ltd provided a detailed methodology statement and program indicating a contract period of 26 weeks. The company listed an extensive amount of equipment available and robust management systems.

Abbot Construction Pty Ltd indicated that the large majority of labour, plant and materials would be sourced locally should they be successful and that they support community groups within the region.

From the information provided, all companies demonstrate the required management systems, experience, construction plant, resources and availability to provide AlburyCity with a quality product.

Risk

- Business Risk – financial risks are possible if latent/unknown construction issues are encountered. A geotechnical investigation has been undertaken to reduce this risk. By enabling additional funds to be reallocated from the forward works program and consolidating works this has mitigated the risk of disruption to aircraft movements. The project will enhance operations by reducing take-off and landing delays.
- Corporate Risk – this project is airside at Albury Airport and is not accessible to the public. The project will ensure the taxiway surfaces remain compliant and safe for ongoing aircraft operations. The works will enhance the infrastructure and operation at the airport which will ensure the facility and operations continue to meet and exceed community and industry expectations.

- WHS and Public Risk – WHS risks due to the construction works will be controlled in accordance with AlburyCity procedures, ie contractor will be WHS registered by AlburyCity and will be required to work under a strict Method of Working Plan whilst working airside. No risk to the public is anticipated as the project is working airside and is not accessible to the public. A 'Special Event Zone' (SEZ) will be established over the site for the duration of the works to fulfil statutory security obligations, as required by the Department of Home Affairs.
- Delivery Program Risk – standard construction risks are possible, ie delays due to inclement weather and changes due to latent/unknown construction issues. However, the works are planned to occur during Summer and Autumn and site investigations have been undertaken during the planning and design phase, therefore Delivery Program Risks are considered low. The works will be staged in a way to minimise any impact on airside operations (ie completing Taxiway C reconstruction prior to commencement of Taxiway A and E works to ensure there are always two access points to the runway).

Community Engagement

This project was identified in the Airport Master Plan which was placed on public exhibition in 2018 and supports growth of strategic transport services in the region. Consultation with the Albury Airport Users Advisory Committee and the wider community is ongoing as Albury Airport forms an integral part of Albury 2030 Community Plan.

A method of Working Plan (MOWP) will be prepared and distributed to airport stakeholders to communicate the proposed program of works and expected disruptions to movement areas on the airfield. The program of works for Taxiway C will cause some temporary inconvenience for two separate airport tenants that can only access the runway via Taxiway C, however these tenants will be consulted and involved in access negotiations with the appointed contractor to ensure that appropriate access can be maintained throughout the program of works.

Conclusion

Council invited tenders for the reconstruction, shaping and extension of Taxiways A, C and E inclusive of revised taxiway and threshold lighting, along with works to enclose an existing open drainage channel located adjacent to Gate 8, and received four submissions. Tender submissions were received for this project from Antoun Civil Engineering Aust Pty Ltd, A P Delaney & Co Pty Ltd, Abbott Construction Pty Ltd and Excell Gray Bruni Pty Ltd.

The scope of the contract includes construction of new pavement for taxiways, upgrades to airfield lighting, linemarking, installation of box culverts and associated works to enclose the open drain and landscaping of the construction area.

A quantitative and qualitative assessment indicated that Antoun Civil Engineering Aust Pty Ltd was the most favourable submission. Their tendered price excluding the Separable Portion of \$3,024,995.41 is within the budget allocation of \$3,257,000.

Included in this tender was a Separable Portion for the extension of Taxiway Alpha (A) from Taxiway Echo (E) to runway 07 threshold. AlburyCity included this separable portion, to test the market and

determine if economies of scale would enable these proposed future expansion works to be included in this contract. However, given the available funding of \$3.257M and the submissions received for the contract works it is recommended that the separable works not be included in this contract and remain as an item within the medium term budget.

Recommendation

That Council:

- a. Accepts the tender from Antoun Civil Engineering Aust Pty Ltd for Contract No.18/02685 – Reconstruction of Taxiway Alpha and Echo and Taxiway Charlie (excluding Separable Portion), in the lump sum amount of \$3,024,995.41 including GST; and
- b. Not accept any tender for the extension of Taxiway Alpha (Separable Portion) based on budgetary constraints.

Attachments

1. Stage 2 Locality Plan (DOC18/175716).
2. Stage 4 Locality Plan (DOC18/175719).
3. Gate 8 Enclosed Drain Locality Plan (DOC18/175721).