Sunshine Coast Airport Expansion Project

2021 AAA Pavements and Lighting Forum
2020 to present
Leader Aviation, Tonkin

2017 to 2020
Sunshine Coast Airport Expansion Project, Project Manager (Construction), Sunshine Coast Council

2005 to 2017
Projects and Engineering Manager, Adelaide Airport Limited
Potential destinations from Sunshine Coast Airport with a new Runway 13/31

- **1961** Maroochy Aerodrome opens RWY 18/36 and RWY 12/30
- **1983** RWY 13/31 identified as future option
- **2000** Maroochy Plan RWY 18/36 and RWY 13/31
- **2006** Preliminary Draft Master Plan RWY 13/31 and alternative runway/airport locations
- **2007** Master Plan adopted New RWY 13/31
- **2008** ATC tower siting study
- **2010** Master Plan Implementation Project RWY 13/31 and RWY 18/36 extension options
- **2012** Expansion Project EIS RWY 13/31, Do Nothing and Do Minimum options
- **2014** Sunshine Coast Planning Scheme RWY 18/36 and RWY 13/31
Construction Program

2018 2019 2020 2021
Scope Summary

Runway
- Minimal length 2450 (31 LDA) and up to 2800m (31 TORA / ASDA)
- Code 4 non precision – 45m wide plus 7.5m shoulders
- 300m wide strip, 240m RESAs, turning node

Taxiways
- Half length parallel taxiway
- Code E capable with geometry designed to cater for B777-300ER
Scope Summary

Apron Parking Bays

From

To

Or

[Image of airport apron]
Council’s Largest Infrastructure Project

Total % Completed

- **General Fill**: 150,000 m³
- **Dredged Sand**: 1,330,000 m³
- **Fine Crushed Rock**: 341,000 tonnes
- **Road Base**: 105,000 tonnes
- **Asphalt**: 69,287 tonnes
- **Rigid Concrete Pavement**: 16,000 tonnes
- **Lean Mix Concrete**: 15,000 tonnes
- **Prime Coat**: 550,000 litres
- **Seal Coat**: 90,000 litres
- **Aeronautical Ground Lighting**: 400 lights
- **Landscaping**: 140 hectares
- **Electrical Cables**: 48km
- **Electrical Conduit**: 25km
- **Drainage Pipes and Box Culverts**: 2000m
Commercial Relationship

aurecon

Sunshine Coast Council
Sunshine Coast Airport

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PALiSADE
Staging
Sand Dredging
Sand Placement
Runway Grooving

TRAPEZOIDAL GROOVE PATTERN
SCALE N.T.S
Rigid Pavements
Displaced Threshold and Starter Extension

- RESA
- Runway Strip
- Runway Start
- Runway End
- Runway Threshold
Airport Lighting Equipment Room

[Images of airport lighting equipment and installations]
Air Traffic Control Human Machine Interface and Control Management System
Obstacle Lighting and Weather Instruments
Aviation Rescue Fire Fighting
Threshold Response
Opening an international runway in a global pandemic
Winner of the Institute of Public Works Engineering Australia (IPWEA) Queensland Major Project of the Year Award 2021

Contender for IPWEA National Awards to be held in Adelaide in October 2021
Questions?