Fulton Hogan	**Inspection and Test Plan - Control and Supervision of the Works**	**Doc ID:** FH-ZU2-QU-ITP044 **REV: 0**

Client: Melbourne Airport	**Contract No:** CP14038-01	**Prepared By:** Giuliano Follacchio
Project: Taxiway Zulu	**Reviewed By:** Jason Lee	**Date:** 29/8/24
Construction Process: AGL Luminaires	**Approved By:** Giuliano Follacchio	**Date:** 29/8/24
Specifications: ZULU-BECA-001-SPC-00003		
Structure / Component: AGL		

Lot No:	Lot Details:	Lot size/Quantity:	Date:

Item No.	Task / Activity Description	Inspection/Test					HP / WP / AP / IP / TP /SCP	Responsibility Project Engineer Superintendent Surveyor Foreman	Checked by:			
		Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity			Subcontractor	Beca	FH	Date
1.0	**Preliminary Works**											
1.1	Check for correct documentation	Prior to commencing any activity	Ensure that all employees and subcontractors are using the latest and complete set of drawings	IFC Drawings	Verify	Drawings	**IP**	Project Engineer				
1.2	Implementation of all measures and controls	Prior to commencing any activities	All necessary measures and controls are being implemented, that is PSP, EMP, TMP, SWMS & WP.	PSP, EMP, TMP, JSEA, SWMS, WP	Verify	Site and office Inspection	**HP***	Project Engineer / Site Supervisor				
1.3	Material/equipment approvals	Prior to start	All materials shall be proven to meet contractual requirements prior to acceptance. - MAGS shall be from ATG Airfield guidance signs range - Taxiway centre lights shall be - from the ADB Safegate range only - Runway guard lights shall be from ADB Safegate only. - Intermediate hold position lights shall be from the ADB Safegate range only - Stop Bar Lights shall be from the ADB Safegate	ZULU-BECA-001-SPC-00003 cl 2.3	Verify	Aconex reference(s)	**HP***	Project Engineer				

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		Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity			Subcontractor	Beca	FH	Date
			- IWDI shall be from ALS Any deviation from the above suppliers shall be submitted to the Contract Administrator for approval prior to ordering.									
1.4	Setting out for airfield luminaires	Each Lot	**HOLD POINT** The Contractor shall survey the proposed light locations in conjunction with the new and existing line-marking to set out the proposed lights. A schedule of the proposed lights shall be produced and submitted to the Contract Administrator.	ZULU-BECA-001-SPC-00003 cl 5.4	Verify	Aconex reference	**HP**	Project Engineer / **Beca**				
2.0	**Installation of AGL Luminaires**											
2.1	Elevated Light Installation	Each Lot	Components of elevated lights shall: - Be less than 360mm above the pavement level including the frangible coupling. - Be suitable for installation on a threaded connection when installed.	ZULU-BECA-001-SPC-00003 Cl 4.4.4.1	Verify	This ITP signed	**IP**	Project Engineer				
2.2	Inset Light Installation	Each Lot	Components of inset lights shall: - Be less than 13mm height above the surrounding surface. - Have a slope of surface of the unit to be less than 20 degrees (not including any recesses).	ZULU-BECA-001-SPC-00003 cl 4.4.4.3	Verify	This ITP signed ADBSG Installation of Inset Light	**IP**	Project Engineer				

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		Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity			Subcontractor	Beca	FH	Date
						Fittings checklist						
2.3	Series Isolation Transformer (SIT)	Each Lot	SITs shall be installed in specified deep base cans or pits	ZULU-BECA-001-SPC-00003 Cl 4.3	Verify	This ITP signed ADBSG Installation of Series Isolating Transformer (SIT)	**IP**	Project Engineer				
2.4	Luminaire Circuit	Each lot	Each luminaire fitting shall be installed on the appropriate circuit as specified in the AGL schedule.	ZULU-BECA-024-DWG-09001-16	Verify	This ITP signed As-Built Documentation	**IP**	Project Engineer				
3.0	**Post Construction**											
3.1	As-Built	Each lot	Submission of surveyed luminaire position to superintendent prior to practical completion	WP-001-09	Verify	SCP	**SCP**	Project Engineer				

Final Inspection

The signature below verifies that this ITP has been completed in accordance with the Fulton Hogan's Quality system Procedures and verifies lot compliance with specifications.

Print Name: **Position:** **Signature:** **Date:** / /

Legend:

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HP	Hold Point	Work shall not proceed past the HP until released by the Superintendent	**IP**	Inspection point	Formal Inspection to be done and recorded
HP*	Fulton Hogan Hold Point	Work shall not proceed past the HP* until released by Fulton Hogan	**TP**	Test Point	Product compliance test to be undertaken and recorded/reported
WP	Witness Point	An inspection which must be witnessed by the Superintendent	**SCP**	Survey conformance point	A qualified surveyor to check product/section/structure and report
AP	Approval Point	Written or verbal approval given by the Superintendent			

Notes	

ADB SAFEGATE	**INSPECTION AND TEST PLAN** Installation of Series Isolating Transformer (SIT) and Cable Jointing	**Page**	1 of 2
		Issue Date	30/03/2024
		Revision	1

REPORT DETAILS	**Date Completed**		**Drawing References**	ZULU-BECA-024-DWG
	Project	Taxiway Zulu 2.0	**Sheet Completed by**	
	Location on Site			

WORK DETAILS	**Legend**	✓ yes ✗ no **NA** not applicable

TERMINATION OF ELECTRICAL CABLES							**INSTALLATION OF SERIES ISOLATING TRANSFORMER AND ACCESSORIES**		**PRIMARY / SECONDARY LABELLING**			**NOTES**
Pit / Deep Base Can No.	Light No	Circuit No.	Plugs terminated to Primary Cable for SIT (2x)	Record Installed SIT Type (Watts)	SIT Plugged in and Heatshrink	6mm Earth Cable installed to SIT	Secondary Cable for SIT Terminated (If applicable)	Primary Cables Labelled with Circuit Number	Secondary Cable Labelled with Light Number	Tidy Cables (Cable-tie Slack Cables)	New Pit Cleaned (If applicable)	

INSPECTION AND TEST PLAN

Installation of Series Isolating Transformer (SIT) and Cable Jointing

Page	2 of 2
Issue Date	30/03/2024
Revision	1

WORK DETAILS	Legend	✓ yes ✗ no NA not applicable

TERMINATION OF PRIMARY AND SECONDARY CABLES							INSTALLATION OF SERIES ISOLATING TRANSFORMER AND ACCESSORIES		PRIMARY / SECONDARY LABELLING			NOTES
Pit / Deep Base Can No.	Light No	Circuit No.	Plugs terminated to Primary Cable for SIT (2x)	Record Installed SIT Type (Watts)	SIT Plugged in and Heatshrink	6mm Earth Cable installed to SIT	Secondary Cable for SIT Terminated (If applicable)	Primary Cables Labelled with Circuit Number	Secondary Cable Labelled with Light Number	Tidy Cables (Cable-tie Slack Cables)	New Pit Cleaned (If applicable)	

ADB SAFEGATE	**INSPECTION AND TEST PLAN** Installation of Inset Light Fittings	**Page**	1 of 2
		Issue Date	30/03/2024
		Revision	1

REPORT DETAILS	**Date Completed**		**Drawing References**	ZULU-BECA-024-DWG
	Project	Taxiway Zulu 2.0	**Sheet Completed by**	
	Location on Site			

WORK DETAILS	**Legend**	✓ yes ✗ no **NA** not applicable

LIGHT FITTING INSTALLATION								**Notes**
Light no	**Light Labelled**	**Correct Orientation**	**Light Fitting Torqued to manufacturer's specfication**	**Light Fitting Details (Eg. Type GG W Bi-Direct etc.)**	**Sec Cable Plugged into Light Fitting**	**Can Cleaned out**	**Light Programmed / Verified on Circuit Monitor**	

ADB SAFEGATE	INSPECTION AND TEST PLAN Installation of Inset Light Fittings	Page	2 of 2
		Issue Date	30/03/2024
		Revision	1

WORK DETAILS CONTINUED	Legend	✓ yes ✗ no NA not applicable

LIGHT FITTING INSTALLATION								Notes
Light no	Light Labelled	Correct Orientation	Light Fitting Torqued to manufacturer's specfication	Light Fitting Details (Eg. Type GG W Bi-Direct etc.)	Sec Cable Plugged into Light Fitting	Can Cleaned out	Light Programmed / Verified on Circuit Monitor	