Exhibit 16 – REIL Inspection Checklist

Runway XX REIL Preventive Maintenance Inspection Checklist – CY XXXX

Ref. AC 150/5340-26 Current Edition

Daily							
1. Check operation of lamps. • Check that lamps are operating and are flashing in proper sequence.	See Daily Self Inspection Form.						
Bi-Monthly **Date Completed** **Inspector Initials**	JAN: _____ _____	MAR: _____ _____	MAY: _____ _____	JUL: _____ _____	SEPT: _____ _____	NOV: _____ _____
Satisfactory/Unsatisfactory	S/U	S/U	S/U	S/U	S/U	S/U
2. Check the operation of controls. • Check the controls for proper operation. Observe operation on each intensity step.						
3. Check cleanliness of optical system. • Check cleanliness of optical surface, both interior and exterior.						
4. Check for mechanical damage or misaligned parts. • Check for damage or misaligned lights.						
5. Check operation of interlocks. • Check interlock device on door of each cabinet. Verify that shutdown occurs when each door is opened.						
6. Check for vegetation around lights. • Check for vegetation or other obstruction around lights.						
Semi-Annually **Date Completed** **Inspector Initials**	APR: _____ _____			OCT: _____ _____		
Satisfactory/Unsatisfactory	S/U			S/U		
7. Check cabinets for cleanliness and moisture. • Check the interior of control panel and flasher cabinets for cleanliness and moisture.						
8. Check electrical connections. • Check electrical contacts and connections to ensure tightness.						
9. Check alignment and elevation of unidirectional REIL. Check only elevation of omnidirectional units. • Check and adjust alignment and elevation of light units. For omnidirectional units, check only the elevation. For unidirectional REILs, check alignment and elevation using the following tools: (1) A plywood triangle cut to angles of 15 degrees, 80 degrees, and 85 degrees. (2) A 4-inch line level.						
10. Realign unidirectional REILs, as required. • The procedure to align the unidirectional REIL is as follows: (1) To check the 15-degree toe-out, hold the triangle horizontally against the face with the 15-degree angle pointed toward the other light unit. By aligning the outside edge of the triangle to point at the opposite light unit, 15-degree toe-out is achieved. (2) To attain the 10-degree vertical aiming, the 80-degree angle is placed against the flat portion of the REIL face with the 15-degree point-down. When the line level shows the upper edge of the triangle level, the REIL is 10 degrees up from the horizontal.						

Original Date: 12/3/2004

Revision Date: 3/28/2024

FAA Approval:

Federal Aviation Administration
Great Lakes Region Airports Division
APPROVED
Apr 12 2024
Erasmo Alarcon
Airport Certification Safety Inspector

11. Check baffles on REIL (if used). • Where baffles are installed, the light units should be aimed at an angle of 3 degrees vertical and 10 degrees toed out. The louvers should be sloped down 10 degrees toward the runway and down 5 degrees toward the approaching aircraft. The louvers should be painted black to lower the reflected light.		
Annually **Date Completed** **Inspector Initials**	JUL: _____ _____	
Satisfactory/Unsatisfactory	S/U	
12. Check power distribution equipment. • Make a careful inspection of all power distribution equipment and protective devices at terminal pole and lights.		
13. Check insulation resistance of cable. • Check insulation resistance of power cables.		
14. Check resistance of grounding systems. • Check the ground resistance at the terminal pole and each light fixture.		
15. Service timer motor and contacts (if used). • Service the timer motor and contacts (if used).		
16. Check need for painting. • Repaint as required.		

Date	Corrective Action for U items / General Remarks

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