

Ironman in Pavement Maintenance

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Background

Goal: Safe operating surfaces for aircraft and vehicles

Challenge: Consistent, objective daily pavement inspections

Solutions:

- Provide non-technical employees with tools and training
- Promote collaboration between teams

The Tool: Ironman

Step 1: Measure

- Dimensions: Width, Depth & Angle
- Severity
- Location



Daily Pavement Assessment

Step 2: Assess

If >5" Wide and
>3" Deep and >45°

Then apply
appropriate
mitigations



Deficiencies & Mitigation

Step 3: Action

- Close Surface
- Install Metal Plates
- Repair (Minor):
 - Cold Patch
 - HMAc
 - Crack Sealant e.g. Mastic One
- Repair (Major):
 - On-call Paving Contractor



Collaboration: The Team

Airside Safety Officers:

- Surface Condition Monitoring and Reporting

Airfield Operations Specialists:

- Minor Repairs
- On-call Contractor Call-out

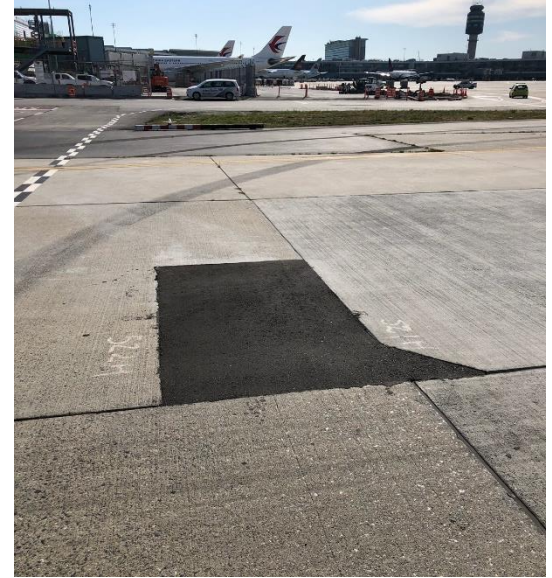
Engineers:

- Pavement Management System
- Rehabilitation/Reconstruction Program Management
- Technical Support/Subject Matter Expertise

Safety Management System/Program:

- Support/subject matter in risk identification/mitigation measures
 - Tracking
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The Result



“an empowered team ensuring safe surfaces for aircraft and vehicles – reduced FOD, appropriate mitigations applied for conditions, and long-lasting repairs”

The Result



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