



SWIFT: Winter & Infrastructure

## Case Study: YVR West De-icing Pad Expansion

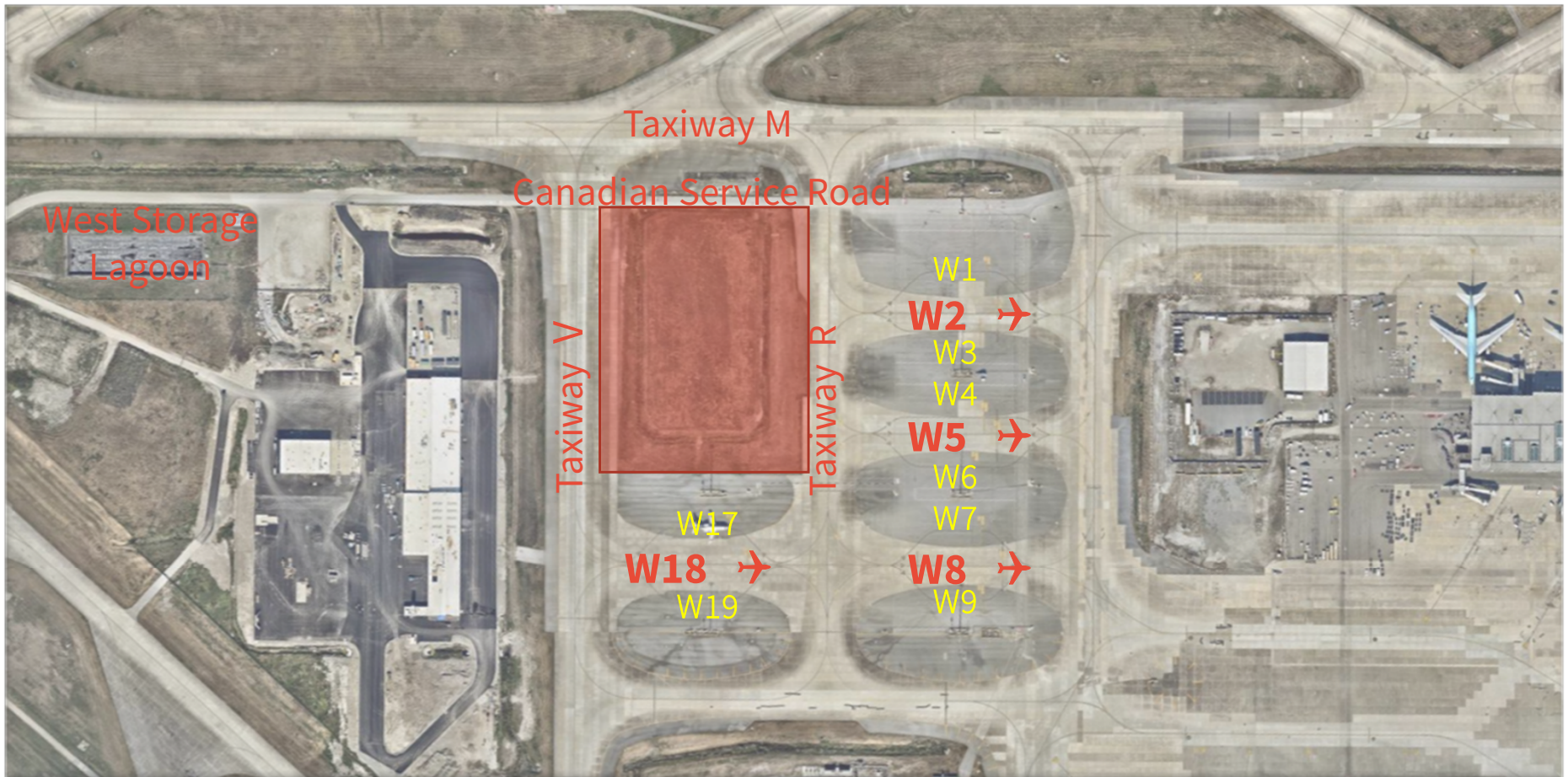


Ha Vu

September 14, 2022

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# Location at YVR



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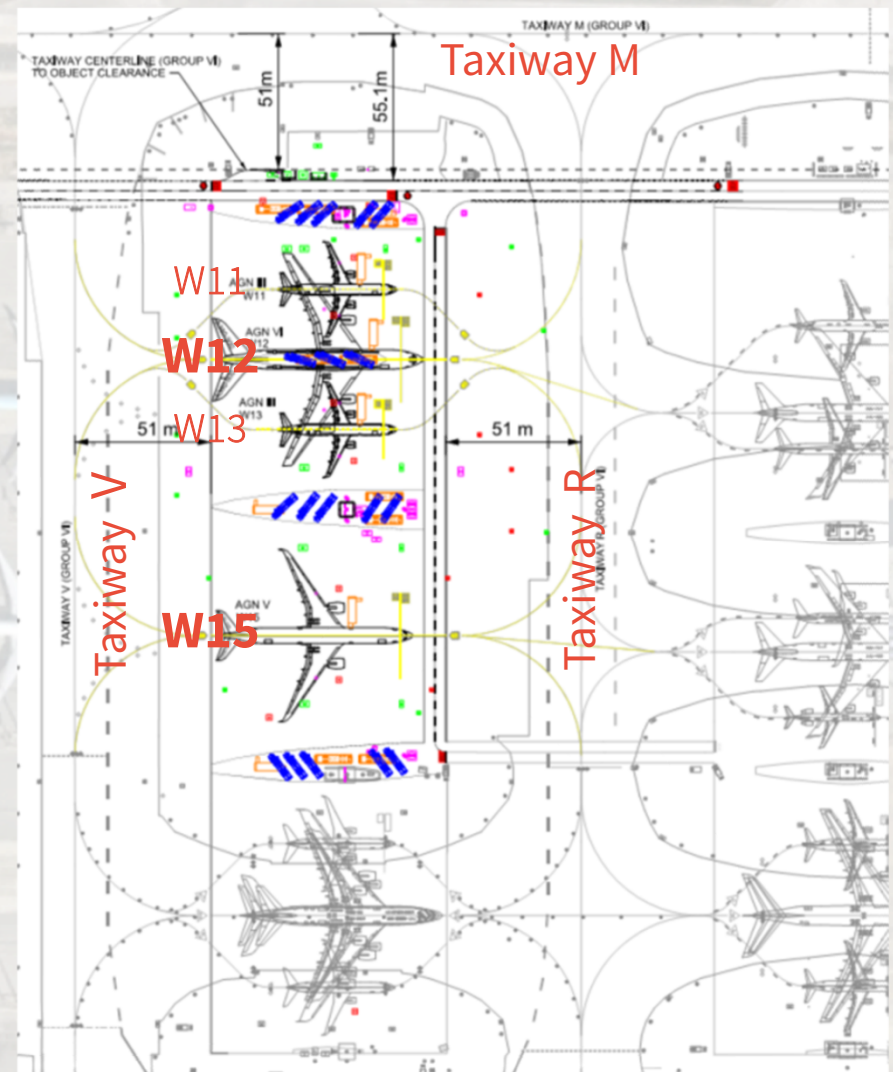
# Background

- + Existing de-icing bays
- + Utilization
- + Demand



# De-icing Pad Concept

- + W12 for AGN VI/Code F
- + W15 for AGN V/Code E
- + W11 and W13 for AGN IIIB/Code C
- + Equipment staging zones





# Future Provision

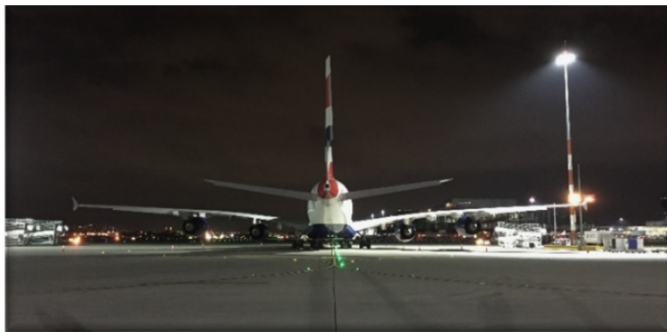
Geometry



Ductbanks



Airfield Lighting



Highmast Lighting Poles



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## Highlights - Drainage

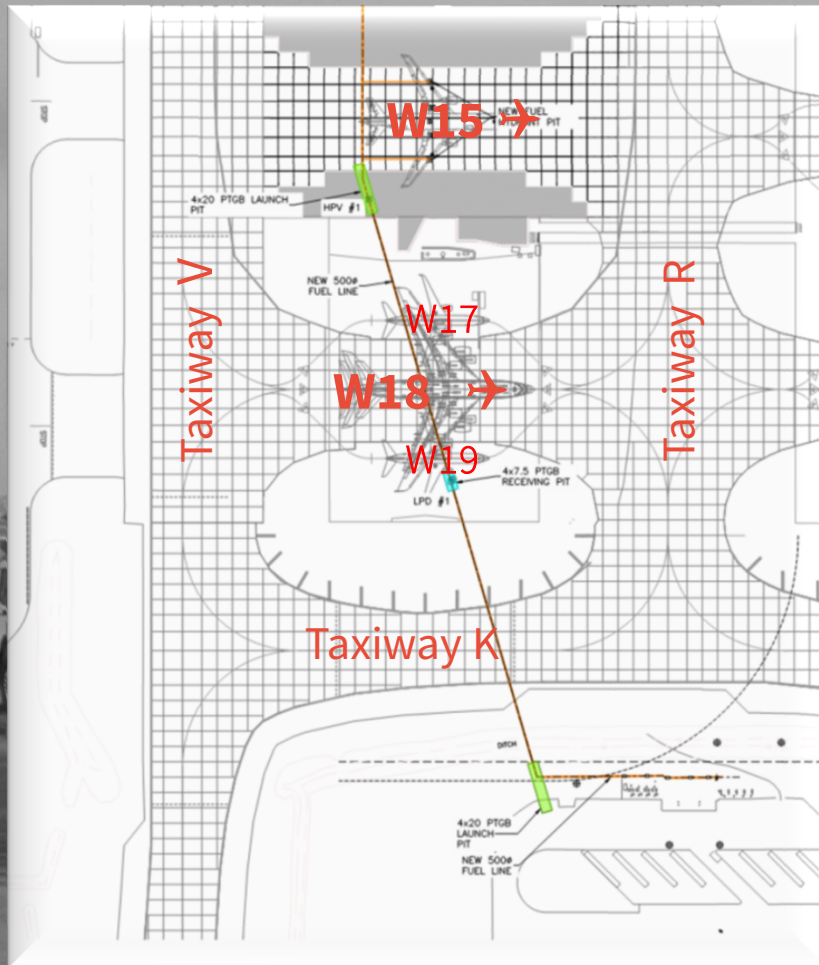


- + Drainage system
- + Impermeable liner

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# Highlights - Fuel Line

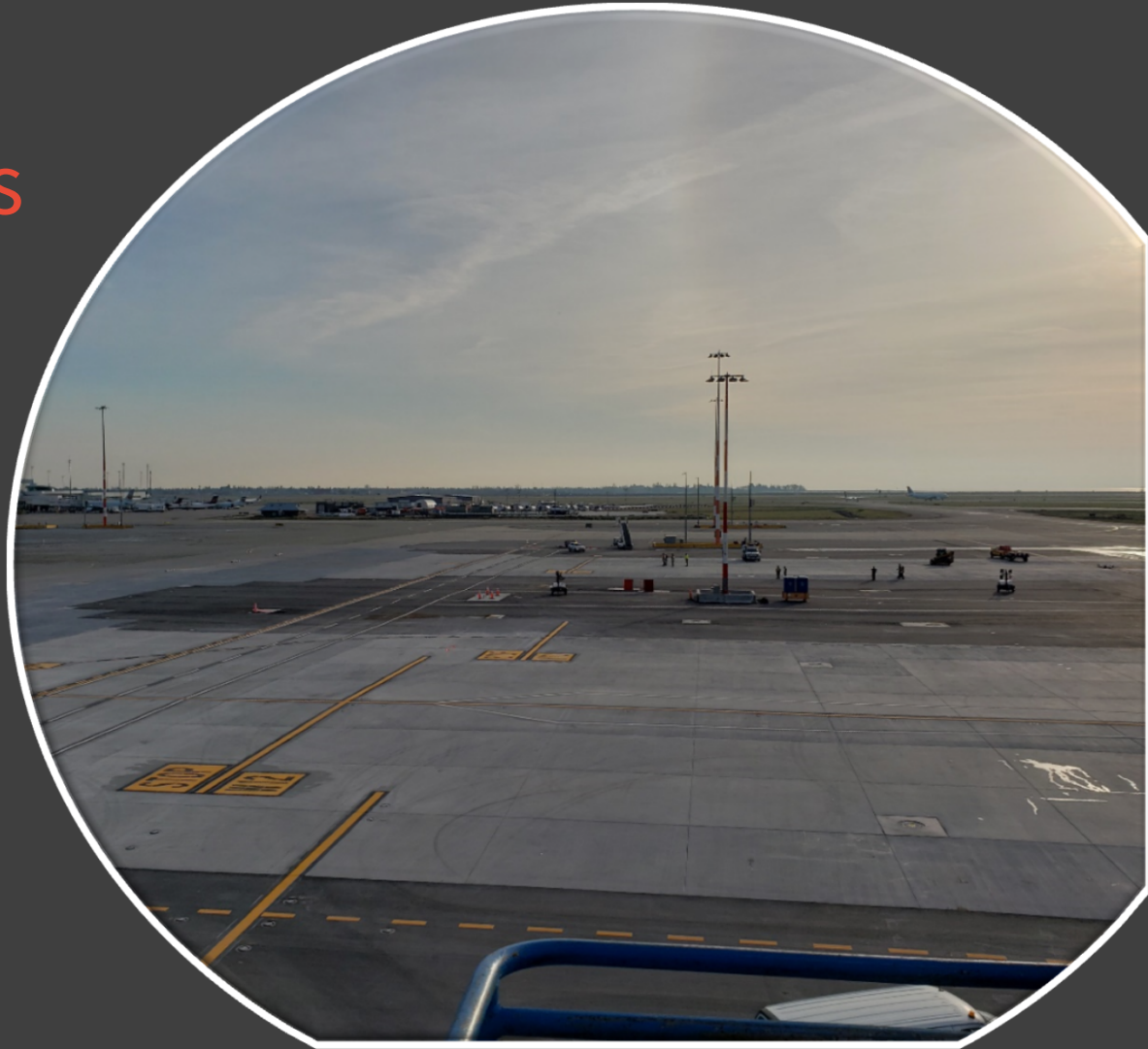


- + Trenchless technology:
  - + Micro Tunnel
  - + Directional Drill
  - + Pilot Tube Guided Boring

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# Other Considerations

- + Challenges
  - + Operational Restrictions
  - + Jet Blast Mitigation
- + Construction
  - + 2-year timeline
  - + Dewatering
  - + Claims
- + Lesson Learned
  - + Slot Repair Product



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+  
Thank you.

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