



**AIRPORTS**

## QUICK FACTS

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**CLIENT:**  
**VANCOUVER**  
**INTERNATIONAL**  
**AIRPORT**

**TOTAL**  
**PROJECT VALUE:**  
**\$8.5 MILLION**

**TAKEOFFS AND**  
**LANDINGS:**  
**338,073 (2018)**

**PROCUREMENT**  
**MODEL:**  
**BID-BUILD**

**LAFARGE'S ROLE:**  
**DEDICATED PAVING**  
**CONTRACTOR**

**AREA PAVED:**  
**185,000 m<sup>2</sup>**

**COMPLETION**  
**DATE:**  
**2017**

# YVR SOUTH RUNWAY OVERLAY

RICHMOND, BC

## PROJECT OVERVIEW

Lafarge was the dedicated paving contractor for the overlay on Canada's second-busiest airport.

The work consisted of milling and paving approximately 39,000 tonnes of asphalt pavement while working alongside operations at a massive international airport on Canada's west coast.

This work involved high security work with stringent work hours to allow the runway to open each morning after each shift. To complete the work within the specified time constraints Lafarge was held to minimum nightly production to ensure it was completed on time. Meticulous planning with contractors and Lafarge crews was required to perform the work under such parameters. This work was completed to precise elevations within a time-constricted work window each night using paving machines equipped with GPS technologies.



## EFFECTIVE LEADERSHIP

### PROJECT SPONSOR/VP



DAVID REDFERN

### PROJECT DIRECTOR



LINCOLN KYNE

### PROJECT MANAGER



DEREK SANDERSON

## YVR SOUTH RUNWAY OVERLAY

### MATERIALS NETWORK MAXIMIZES VALUE

Thanks to unparalleled accessibility to Western Canada's largest materials resource network, with the closest and largest supplies of aggregates and cement to the project site, Lafarge provided the lowest risk option for YVR to complete this necessary upgrade on time and on budget.

Like any major airport, a highly demanding schedule was an essential component of success in works to complete the south runway overlay. Lafarge's unique coastal logistics network means that we have 24/7 access to aggregate pits. We are well positioned to maintain this project's schedule.

By using our own material resources, Lafarge provided maximum value in material pricing, along with efficient and on-time delivery, both of which translated to success for the client.



## QUALITY ACROSS SCOPES

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- SAFE OPERATIONS WITHIN AN INTERNATIONAL AIRPORT
- COLLABORATIVE SCHEDULING WITH ALL STAKEHOLDERS
- HIGH PERFORMING MATERIALS WITH CONSISTENT PERFORMANCE TESTING AND QUALITY CONTROL

## YVR SOUTH RUNWAY OVERLAY

### EXTENSIVE QUALITY CONTROL PROGRAMS

An extensive quality control program maximized the contributions of our Seattle-based, CCIL-certified laboratory, which provides testing to ensure appropriate carbonation treatment to meet the project's environmental and sustainable design requirements.

Lafarge also installed an on-site quality assurance trailer for storage of test cylinders and beams - meaning that every change and test was managed in real time, further reducing delays.

Our stringent quality control and assurance measures meant that we implemented the right solutions for this project's unique challenges. Teams included the use of ice in hot weather and tarping in the BC coast's cold and damp winter weather. Our QC teams also mitigated early slump loss by adjusting mixes to allow for flex and slump protection.



