



**AIRPORTS &  
RUNWAYS**

# EDMONTON INTERNATIONAL AIRPORT TAXIWAY BRAVO REHABILITATION

EDMONTON, ALBERTA

## QUICK FACTS

**CLIENT:**  
**EDMONTON  
REGIONAL  
AIRPORTS  
AUTHORITY**

**START DATE:**  
**2017**

**END DATE:**  
**2019**

**CONTRACT VALUE:**  
**\$12,300,000**

**LAFARGE'S CONTRACT  
STRUCTURE:**  
**BID - BUILD, GENERAL  
CONTRACTOR**

## PROJECT DESCRIPTION

This project was a 3-year major rehabilitation at the Edmonton International Airport that included the improvements to Taxiway Bravo, North Airside Service Road, Runway 12-30, Manhole 18, and Main Apron. The construction included asphalt paving concrete PCCP panel repairs, subgrade preparation and aggregate placement. Lafarge also managed multiple subcontractors and followed the various airside restrictions within the project limits.



## EFFECTIVE LEADERSHIP

### PROJECT SPONSOR



ANDREW MELNYCHUK

### PROJECT SUPERINTENDENT



KEVIN DEY

### PROJECT COORDINATOR



TREVOR DIDUCK

## EIA TAXIWAY BRAVO

# PROJECT CHALLENGES AND SOLUTIONS

### Quality Management:

- Milling to required depths and meeting low tie ins
- Asphalt compaction, avoiding misleading results
- Challenging concrete from Nisku and portable plants

### Environmental Management:

- Preventing foreign object damage and debris
- Excessive waste gravel and materials being hauled off site

### Risk Management:

- Getting crews and equipment onto site in the airfield
- Respecting the boundaries of work site
- Utilizing GARDA escorts on-site

### Actions Taken and Lessons Learned:

- Always have consultant walk through layouts before saw cutting begins to avoid issues raised after work is complete
- Take photos of everything, particularly the uncommon aspects of the worksite
- Verbal communication and confirmation vs. confirmation through e-mail
- Be firm on expectations of sub-contractors
- Uploading all forms, information, and data onto the group drive in a timely manner
- Finding compromise to ensure future work

## VOLUME OF MATERIALS

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- Asphalt  
19,000 Tonnes
- Aggregate  
1,200 Tonnes
- Concrete PCCP Panels  
3,500 m<sup>3</sup>

## REFERENCES

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- **Company:**  
Edmonton Regional  
Airports Authority
- **Name:**  
Mary Coyne
- **Phone:**  
(780) 8909 - 4883
- **Email:**  
[mcoyne@flyeia.com](mailto:mcoyne@flyeia.com)

## EIA TAXIWAY BRAVO



## COMMENTARY ON MEETING CLIENT EXPECTATIONS

- Lafarge completed a number of key projects at EIA in 2018, including important gate repairs and ~1300m of Taxiway repairs.
- This included approximately 11,000t of asphalt placed covering 40,180m<sup>2</sup> of taxiway and patching (keel and off keel)

