

# YLV Infrastructure Projects

## YLV Projects & Investments



### Private Investment

- 12 First Truck \$27,000,000
- 13 Hyatt Investment \$7,500,000
- 14 KF Centre for Excellence \$25,000,000
- 15 YLV Hotel \$100,000,000
- 16 YLV Parkade \$55,000,000

### Completed

- 1 YLV Childcare Facility \$3,800,000
- 2 Runway End Safety Area \$9,100,000
- 3 Bio Security \$5,400,000
- 4 Terminal Building Roof Replacement \$4,000,000

### In Progress

- 5 Airfield Lighting \$8,100,000
- 6 Combined Operations Building \$16,300,000
- 7 Air Terminal Building Expansion \$108,000,000
- 8 Airside Pavement Rehabilitation \$6,400,000

### Upcoming

- 9 Aviation Infrastructure Lots
- 10 Airport Way Widening and Intersection Configuration
- 11 Apron Expansion

YLV is expanding the airport to better meet the needs of our growing region. Our multi-year expansion plans include our largest terminal expansion to date, fully serviced lots for light industrial and commercial business, new parking options, safety and sustainability upgrades, and much more.

Between 2024 and 2033, YLV will invest approximately \$422 million in upgrades to airport infrastructure. The expansion is funded through airport revenues and Airport Improvement Fees and is not funded by tax dollars.

# YLV Infrastructure Projects

## Child Care Facility

Project Investment: \$3,800,000

Project Status: Facility is open and at capacity – a second funding application has been initiated to expand into an additional two classrooms.

The Kelowna Airport YMCA Child Care Facility is a response to the community's high need for childcare spaces, as Kelowna continues to experience exponential growth, and in support of our strong aviation economic sector. YLV and the City of Kelowna partnered with the YMCA of Southern Interior BC and KF Aerospace (KFA) to build a new licensed childcare facility on the YLV campus. The project supports families who work on the YLV campus, including KFA the city's largest employer, by providing access to 86 new quality, affordable and inclusive childcare spaces. Access to reliable and affordable childcare close to the workplace will continue to remove return to work barriers and to encourage diversity in the aviation trade and sector workforce. The success of this project required funding through the Childcare BC New Spaces Fund.



# YLV Infrastructure Projects

## Runway End Safety Area

Project Investment: \$9,100,000

Project Status: Complete

The project designed and constructed the Runway End Safety Area (RESA) at runways 16 and 34 in compliance with federal regulation. Proposed amendments to the Canadian Aviation Regulations requires Canadian-certified aerodromes to extend their current safety area from the existing mandated 60 m to a minimum of 150 m at the ends of runways that serve scheduled commercial passenger-carrying flights.



## Biosecurity Testing Facility

Project Investment: \$5,400,000

Project Status: Complete

The Biosecurity Testing Facility project invested in infrastructure that enabled testing to address the risks of introduction and transmission of COVID-19 and future viruses to passengers, employees and the community. The project's focus on technology development and an application that can integrate with ArriveCAN and other applications improved the flow of information and assisted with notifications and provision of health credentials. Ultimately, this project enabled economic and physical recovery from the air travel restrictions associated with the COVID-19 pandemic.

## Terminal Building Roof Replacement

Project Investment: \$4,000,000

Project Status: Complete

The public and employees at YLV are protected by 31 separate roof areas. As most of the roof had reached the end of its useful life, YLV embarked upon a multi-year project to replace the existing Airport Terminal Building (ATB) roof with a higher insulation value assembly thus making it more energy efficient and providing the additional benefit of reducing greenhouse gas emissions. The project demonstrates environmental leadership in the Okanagan and aligns with the Federal government's commitment to meet its net-zero emissions target by 2050.

# YLV Infrastructure Projects

## Airfield Lighting Infrastructure

Project Investment: \$8,100,000  
Project Timeline: Fall 2025  
Project Status: Construction Stage

The purpose of this project is to complete an airfield lighting feasibility assessment and design for an upgrade to the current airfield lighting systems and supporting infrastructure for Runway 16/34. The airfield lighting systems is a critical safety component of operating a safe and efficient airport. This project will require the replacement and realignment of all the airports airfield lighting and increasing the intensity from medium to high.

Interesting Fact: The various airfield lighting systems are well over 20 years old and are reaching their end of life. This project will upgrade all airfield lighting systems at YLV to the most advanced systems available.



## Combined Operations Building

Project Investment: \$16,300,000  
Project Timeline: Late 2025  
Project Status: In Construction

The Combined Operations Building (COB) is critical to house all the people, equipment, and infrastructure required to provide emergency and maintenance services to YLV. The ultimate benefit will be improved efficiencies in aircraft rescue, fire fighting, snow clearance, and operational responses to ensure the highest safety standards. The Airport Operations Centre will be strategically located to maximize visibility to airside surfaces which will assist in providing efficient and timely responses. An Emergency Coordination Centre will be housed adjacent to the Operations Centre to ensure efficient emergency communication.

Interesting Fact: 50% funded by Transport Canada under the Airport Critical Infrastructure Program under grants secured during COVID 19.



# YLV Infrastructure Projects

## Air Terminal Building Expansion

Project Investment: \$108,000,000

Project Timeline: Late 2026

Project Status: In Construction

As a regional economic hub, the capacity of YLV is vital to support flights to move people and goods throughout the Okanagan region and beyond. This critical terminal expansion project will increase capacity by making efficient use of the existing and new spaces, while minimizing environmental footprints and overall costs.

The Air Terminal Building (ATB) expansion project will allow YLV to handle a greater number of flights and passengers while implementing necessary infrastructure to handle larger aircraft. The expansion will aid in the growth of air cargo activity to increase the export of fresh, high value and time sensitive products from the Central Okanagan to key overseas markets such as Asia and Europe. By stimulating air cargo demand, this project will benefit both the transportation and agriculture sectors by helping to alleviate the stress on the regional highway system while providing local producers efficient means for their time sensitive products to reach global markets. In addition, it will assist in bio health management in the terminal by allowing for significant improvements in operations and efficiency of movement of people and goods.



Interesting Fact: The ATB expansion project funded, designed, value engineered, and project managed by YLV.

### MassTimber

YLV received the Forestry Innovation and Investment Mass Timber Demonstration Grant, in fall 2021, as the design of the structure was directly developed to utilize and promote the BC mass timber industry and develop innovative approaches for construction with mass timber materials.

# YLV Infrastructure Projects

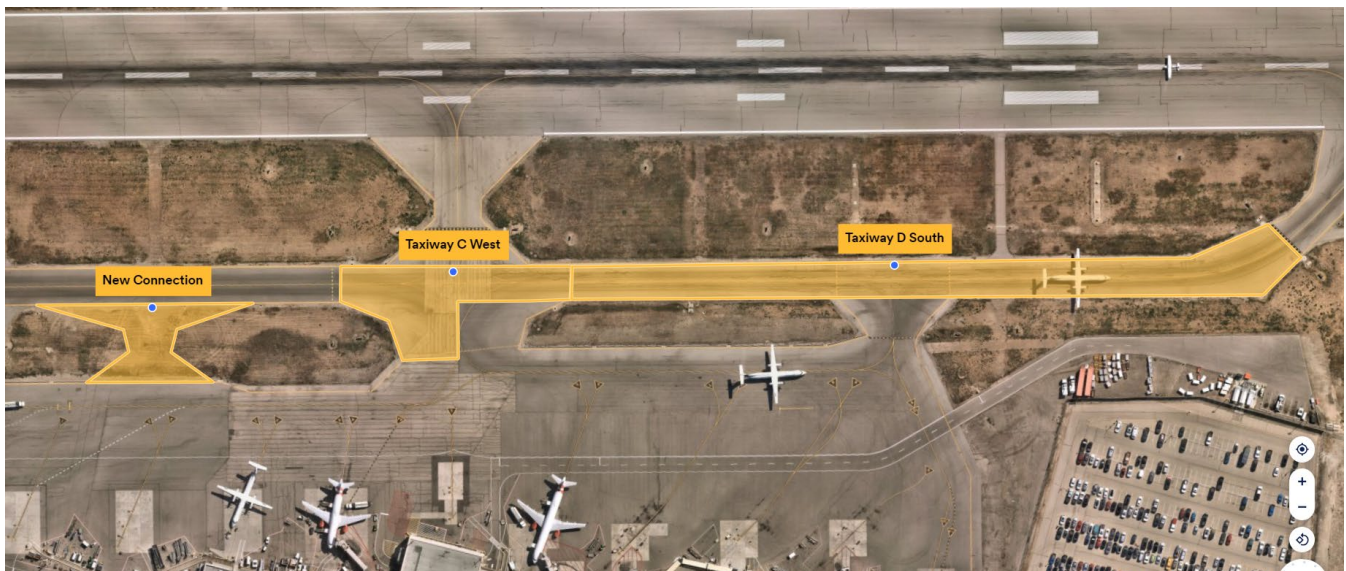
## Airside Pavement Rehabilitation

Project Investment: \$6,400,000

Project Timeline: Fall 2024

Project Status: In Construction

The purpose of this multi-year project is to address the deterioration of asphalt on taxiways at YLV. The project will minimize impacts to critical infrastructure and the health and safety of passengers, by ensuring that significant disruptions related to airport operations due to failed pavement structures and/or Foreign Object Damage (FOD), are never realized or are reduced. In addition, the creation of a new taxiway will increase efficiency and capacity of aircraft arrivals.

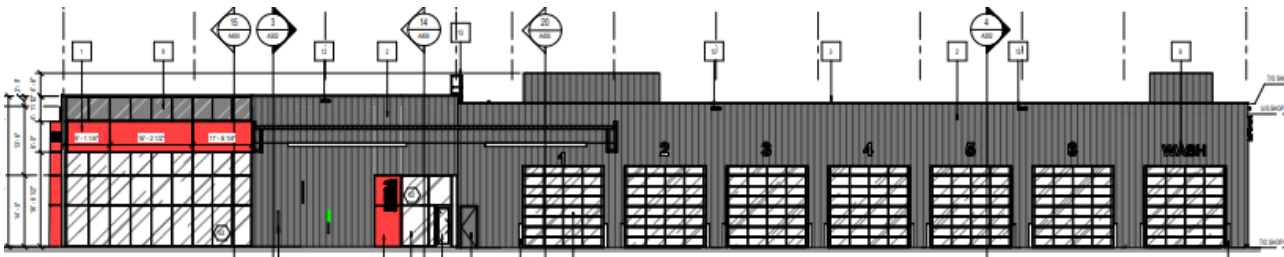


# Y.L.W. Infrastructure Projects

## Velocity Truck Centre – Lot 1

Project Investment: \$13,500,000  
 Project Timeline: Late 2024  
 Project Status: In Construction

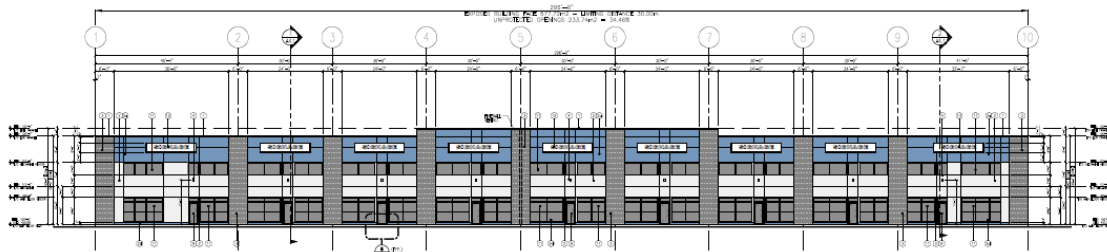
Interesting Fact: Service and sales with 19 service bays, focused on zero emission trucks including hydrogen compressed natural gas (HCNG).



## Hyatt Group – Lot 2

Project Investment: \$4,000,000  
 Project Timeline: Summer 2024  
 Project Status: In Construction

Interesting Fact: 38,000 sq.ft. Industrial Warehouse with nine bays.



# YLV Infrastructure Projects

## YLV Hotel

Project Investment: \$100,000,000

Project Timeline: 2025-2027

Project Status: Planning Approvals

Interesting Fact: This will be Kelowna's first five star hotel.



## YLV Parkade

Project Investment: \$55,000,000

Project Timeline: 2025-2027

Project Status: Planning Approvals

Interesting Fact: The 1,100-stall parkade provides multi storey parking that reduces YLV's land requirement footprint.

