

Exit Lane Provides True ROI for Williston Basin International Airport



**Williston Basin
International
Airport**

Date of completion
October

2019

Location
Williston, ND

USA

A New Airport For a Growing Area

Williston Basin International Airport, located just outside the city of Williston, North Dakota, officially opened its doors to the public in late 2019. The airport was built to replace nearby Sloulin Field which was having trouble keeping up with increased travel to the area as a result of the North Dakota oil boom of 2014. In a period of only 3 years Sloulin Field saw its yearly passenger count go from 27,860 in 2011 to a peak of 119,069 in 2014, a roughly 327% increase and far beyond what the airport was originally designed to handle.

While Sloulin Field was only able to accommodate small aircrafts with less than 35 passengers, the new facility in Williston was built to accommodate much larger commercial aircrafts along with the larger groups of passengers they carry. The new Williston Basin International Airport was built to support a maximum of 325,000 passengers a year, or roughly 300 outbound passengers per hour—more than enough to meet current demand with room to spare for future growth.

It was decided early in the project that the new Airport should utilize an unmanned exit solution for the exit used by arriving passengers moving from

the secured concourse into the baggage claim area. Traditionally airports prevent passengers from entering or reentering this area by employing on-site guard staff. The guard on duty in this scenario has only one job—to stand next to the exit and prevent passengers from walking the wrong way. With the local yearly cost of a single full-time guard averaging around \$45k, the cost of manning an exit 24/7 can easily exceed \$150k annually. That's a lot of money to pay for an employee that doesn't have any customer-focused duties to fulfill.

Instead, Williston Basin thought that money could be better spent hiring staff who perform jobs that assist with passengers needs and facilitate other daily operations. Other airports in the state had attempted to install "unmanned" solutions in the past but were met with limited success due to these lanes requiring some level of monitoring by on-site guard staff. To avoid this same problem, Williston Basin International Airport would need a truly integrated solution.

325,000
passengers
annually



Customer requirements

Unmanned Exit Solution and elegant design

An unmanned exit lane solution

A product that meets all TSA regulations

Modular design that can be scaled to the airport's needs

A True Integrated Solution

The PIL-M02 is a modular exit lane solution that requires no additional security staff.

An Integrated solution

Now came the task of selecting the best company for the job. According to Anthony Dudas, Airport Director at Williston Basin International Airport, “[the airport went] through a full request for proposal process which included 3 [candidates], of which dormakaba won through quality references, price point, and functionality.”—ultimately deciding on the PIL-M02 16 exit lane breach control door.

dormakaba's exit lane breach control doors are a modular system that offers a truly integrated solution for unmanned exit lane control. The system can be configured to allow for 2-3 full-height automatic swing doors and 1-2 automatic waist-high swing barriers installed within the lane—effectively controlling foot traffic and physically preventing passengers from entering from the wrong direction.

Once a passenger enters the lane to exit, they're movement is tracked using 3D stereo sensor technology until they have fully exited the lane. If they stop, try hold a door open, leave something within the lane, or attempt to turn around the sensor will instantly detect the action and sound an alarm to alert passengers to clear the lane. If the lane remains blocked additional alarms can be sent to a nearby attendant to deal with the issue. The model installed at Williston Basin international Airport consists of 3 full height automatic doors and one waist-high automatic barrier within the lane.

Looking Ahead

Since its installation back in 2019, dormakaba's exit lane has functioned consistently without issue and achieved full ROI in less than 18 months. The unit has also been inspected by TSA multiple times since then, testing for left-behind items, thrown objects and unauthorized passage, and has passed each test with flying colors—a federal requirement for any unmanned exit lane.

“The dormakaba unmanned exit lane at [Williston Basin International Airport] has provided huge benefits in efficiency for our operations team. Workforce shortage is an ongoing challenge, and automating the exit lane in our terminal allows our team to more effectively complete other responsibilities while monitoring the exit lane status from their phone or workstation.”

- Anthony Dudas, Airport Director, Williston Basin International Airport.



Architect
Alliance



Location
Williston Basin, North Dakota



01
Hassle-free egress for arriving passengers without dedicated security staff – thanks to dormakaba.



Products used

PIL-M05 Exit Lane Breach Control Door
3 swing doors | 1 mid height barrier
QTY: 1



02
An exit lane designed with TSA regulations in mind.

How can we help you?

Visit us:

www.dormakaba.com/us-en

Contact us:

bill.seibert@dormakaba.com

Our Offering

Access Automation Solutions

Entrance Automation
Entrance Security



Access Control Solutions

Electronic Access and Data
Escape and Rescue Systems
Lodging Systems



Access Hardware Solutions

Door Closers
Architectural Hardware
Mechanical Key Systems



Services

Technical Support
Installation and Commissioning
Maintenance and Repair



Key and Wall Solutions

Key Systems
Movable / Sliding Walls



Safe Locks

Electronic Safe Locks
Boltworks and Accessories



Glass Systems

Manual Door Systems
Glass Fittings
Horizontal Sliding Walls

