Bombardier is helping to manage passenger flow and expansion at one of the busiest airports in the United States

Bombardier Transportation delivered the BOMBARDIER® INNOVIA® APM 200 automated people mover system at Phoenix Sky Harbor International Airport in Arizona. Known as PHX Sky Train®, the system opened in April 2013.

Under contracts awarded for Stage 1 of the system, Bombardier designed and supplied all electrical and mechanical equipment, including the highly-proven BOMBARDIER® CITYFLO® 650 automatic train control technology, a maintenance facility, and a fleet of 18 driverless INNOVIA APM 200 vehicles.

In addition, Bombardier provides operations and maintenance services, ensuring the system operates reliably and continuously 24 hours per day, 365 days a year.

In 2018, Bombardier was awarded a contract for Stage 2 of the system, including a 2.5-mile extension of the guideway, two new stations, an expansion of the maintenance facility, and the supply of 24 additional INNOVIA APM 200 vehicles.

24/7 operations / maintenance services. Ensuring the system operates reliably and continuously 365 days a year.

42 INNOVIA APM 200 vehicles. Offering safe, dependable and comfortable service.
Phoenix Sky Harbor International Airport - PHX Sky Train

**Project history**
- In service: April 2013
- System expansions: 2014 and 2018

**Major subsystems**
- **Train control**: CITYFLO 650 moving block
- **Power supply**: 750 Vdc, UPS
- **Power collection**: Running surface rail
- **Traction power substations**: 3 on main line, 1 in yard
- **Communications**: Network, PA, CCTV, radio

**System description**
- **System type**: INNOVIA APM 200
- **System operation**: Pinched loop, driverless
- **System length**: 2.4 miles plus 2.5 mile extension underway
- **Number of lines**: 1 dual-lane guideway
- **Vehicle fleet**: 18 plus 24 on order
- **Peak-hour capacity**: 3,300 pphpd
- **Average line speed**: 23 mph
- **Guideway length elevated**: 90%
- **Intermodal connections**: Light rail transit system

**Vehicle data**
- **Type of vehicle**: INNOVIA APM 200
- **Quantity**: 18 plus 24 on order
- **Train consist**: 2-car trains

**Fixed facilities**
- **Maximum guideway height**: 108’
- **Number of stations**: 4 plus 2 under construction
- **Platform length**: 164’
- **Station features**: Station doors
- **Maintenance area location**: Offline, adjacent to middle station
- **Maintenance area size**: 107,639 ft² (expansion underway)
- **Maintenance area storage capacity**: 18 vehicles (expansion underway)

**Services**
- **Contract type**: Operations and maintenance

**Contract type**: Operations and maintenance

**Passengers boarding INNOVIA APM 200 vehicle**

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