

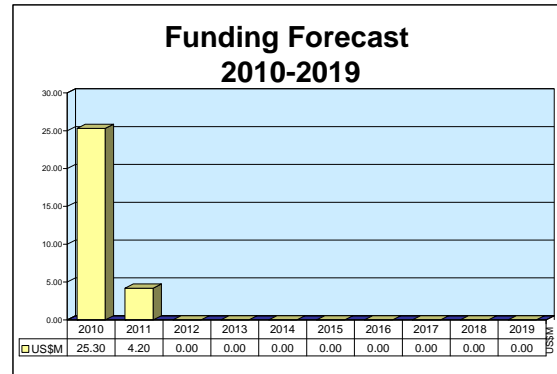
# ARCHIVED REPORT

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## ASDE-X

### Outlook

- The ASDE-X Program is a U.S. FAA undertaking to install the ASDE-X surveillance system at 35 airports in the U.S.
- The ASDE-X system has been installed at 35 airports in the United States
- With installation completed, this report will be archived in August 2011



### Orientation

**Description.** The Airport Surface Detection Equipment - Model X (ASDE-X) Program is a U.S. Federal Aviation Administration endeavor to install the ASDE-X airport surface surveillance system at 35 airports in the United States.

The ASDE-X system provides multi-sensor airport surface surveillance with identification and conflict alerting to air traffic controllers.

**Sponsor**

U.S. Federal Aviation Administration  
 800 Independence Ave SW  
 Washington, DC 20591  
 USA  
 Tel: + 1 (202) 267-3484  
 Web site: <http://www.faa.gov>

**Status.** In service.

**Application.** Airport surface surveillance.

### Contractors

#### Prime

<b>Sensis Corp</b>	<a href="http://www.sensis.com">http://www.sensis.com</a> , 5793 Widewaters Pkwy, Dewitt, NY 13214 United States, Tel: + 1 (315) 445-5712, Fax: + 1 (315) 445-9401, Prime (Installation)
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Comprehensive information on Contractors can be found in Forecast International's "International Contractors" series. For a detailed description, go to [www.forecastinternational.com](http://www.forecastinternational.com) (see Products & Samples/Governments & Industries) or call + 1 (203) 426-0800.  
 Contractors are invited to submit updated information to Editor, International Contractors, Forecast International, 22 Commerce Road, Newtown, CT 06470, USA; [rich.pettibone@forecast1.com](mailto:rich.pettibone@forecast1.com)

### Technical Data

## ASDE-X

According to a U.S. Federal Aviation Administration (FAA) budget document, the ASDE-X is a surface surveillance system that provides multi-sensor airport surveillance with identification and conflict alerting to air traffic controllers. The ASDE-X system integrates five technologies: transponder multilateration, surface movement radar, Automatic Dependent Surveillance – Broadcast (ADS-B) data, multi-sensor data fusion, and control tower display equipment. The integration of these sensors provides data with the accuracy, update rate, and reliability suitable for improving airport safety and efficiency in all weather conditions. The ASDE-X is particularly useful as a traffic control aid during hours of darkness and other conditions of poor visibility.

The ASDE-X was developed to aid in preventing surface collisions and reducing critical Category A and B runway incursions by enabling air traffic controllers to track the surface movement of aircraft and vehicles. The ASDE-X provides air traffic controllers with a visual representation of the traffic situation on the airport movement area and arrival corridors. This improves their ability to maintain awareness of the operational environment and to anticipate contingencies.

Under the Airport Surface Detection Equipment - Model X (ASDE-X) Program, the U.S. FAA plans to install 35 operational ASDE-X systems and 3 ASDE-X support systems.

## Program Review

In FY10, the U.S. Congress appropriated some \$25.3 million for the ASDE-X Program for ASDE-X system implementation activities. These activities included construction and site preparation, equipment installation, and ASDE-X system optimization at 14 airports.

For FY11, the U.S. FAA is requesting \$4.2 million from the U.S. Congress for the ASDE-X Program for completion of ASDE-X system implementation activities. These activities include construction and site preparation, equipment installation, and ASDE-X system optimization at three airports (LaGuardia, Memphis, and Las Vegas airports).

## Funding

### U.S. FUNDING

	FY10 <u>QTY</u>	FY10 <u>AMT</u>	FY11 <u>QTY</u>	FY11 <u>AMT</u>
<b>Facilities and Equipment (U.S. FAA)</b>				
Budget Item 2B01				
Airport Surface Detection Equipment – Model X (ASDE-X) Program	-	25.30	-	4.20

All \$ are in millions.

Source: U.S. Federal Aviation Administration FY11 Budget Document

## Contracts/Orders & Options

No recent contracts have been identified.

## Timetable

<u>Month</u>	<u>Year</u>	<u>Major Development</u>
	Thru FY10	ASDE-X installed at 35 airports
	FY11	ASDE-X installed at three airports

## Worldwide Distribution/Inventories

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The Airport Surface Detection Equipment - Model X (ASDE-X) Program is a **U.S. Federal Aviation Administration** program.

## ASDE-X

## Forecast Rationale

The Airport Surface Detection Equipment - Model X (ASDE-X) Program is a U.S. Federal Aviation Administration (FAA) endeavor to install the ASDE-X airport surface surveillance system at 35 airports in the United States. The ASDE-X system provides multi-sensor airport surface surveillance with identification and conflict alerting to air traffic controllers.

As indicated by the **Ten-Year Outlook** chart, Forecast International projects that the U.S. Federal Aviation

Administration will spend some \$29.5 million on its ASDE-X Program in FY10 and FY11. The ASDE-X was developed to aid in preventing surface collisions and reducing critical Category A and B runway incursions by enabling air traffic controllers to track the surface movement of aircraft and vehicles.

With installation of the ASDE-X system completed at 35 airports in the United States, this report will be archived in August 2011.

## Ten-Year Outlook

ESTIMATED CALENDAR YEAR RDT&E FUNDING (in millions \$)													
Designation or Program	Thru 2009	High Confidence					Good Confidence			Speculative			Total
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
<b>Sensis Corp (Prime)</b>													
<b>ASDE-X Installation Civil &lt;&gt; United States &lt;&gt; FAA</b>													
	451.18	25.30	4.20	.00	.00	.00	.00	.00	.00	.00	.00	.00	29.50
<b>Total</b>	451.18	25.30	4.20	.00	.00	.00	.00	.00	.00	.00	.00	.00	29.50