



City of Cambridge

Executive Department

YI-AN HUANG
City Manager

CMA 2026-120
IN CITY COUNCIL
May 4, 2026

To the Honorable, the City Council:

Please see attached a Surveillance Technology Impact Report (STIR) for the Open Architects student data platform requested by the School Department.

Very truly yours,

Yi-An Huang
City Manager



SURVEILLANCE TECHNOLOGY IMPACT REPORT

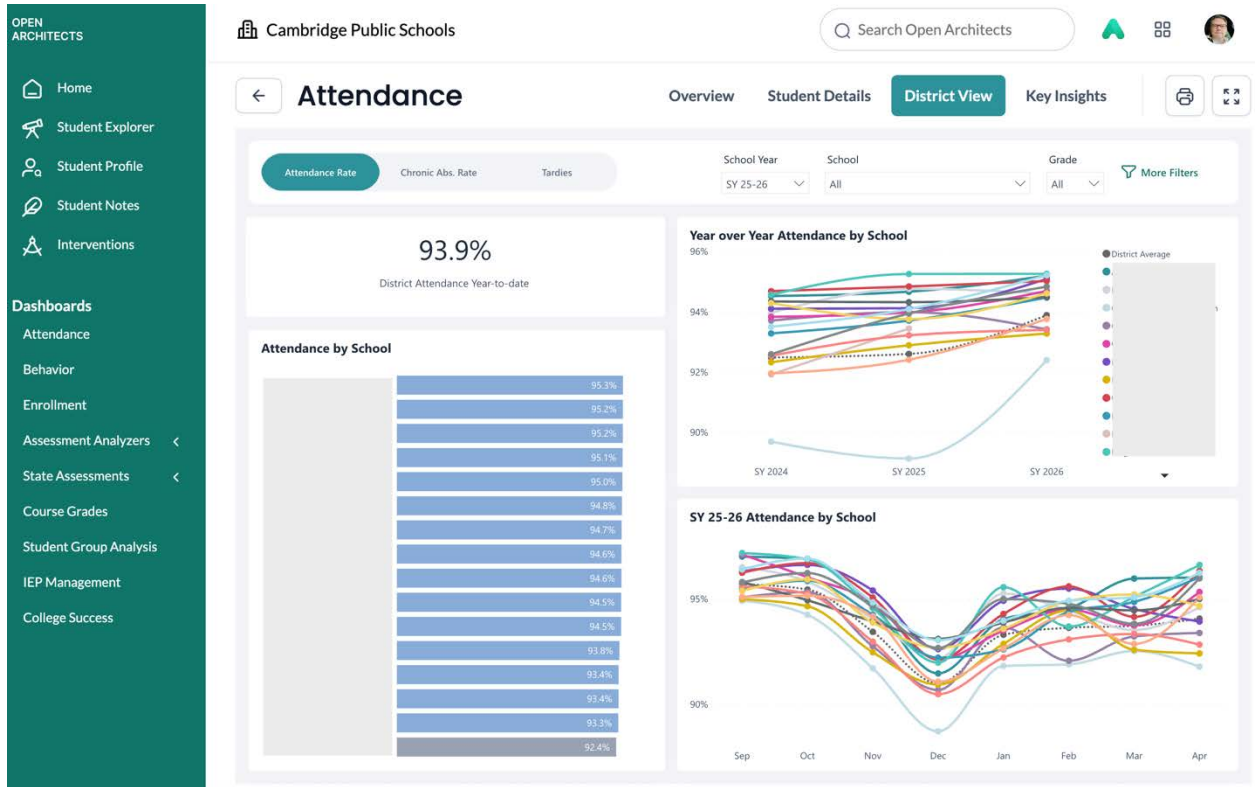
Department:	School Department
Division or Unit (if applicable):	ICTS (Information Communication and Technology Services)
Submitted by:	Dr. Lee McCanne, CIO
Date:	April 16 th 2026
Surveillance Technology:	Student Data Platform: Open Architects

1. Describe how the proposed Surveillance Technology will work, including how it will collect Surveillance Data.

Open Architects is a visualization platform that allows administrators and teachers to view information about students. The information aggregated includes, but is not limited to, demographic data, class roster and scheduling data (from our student information system), attendance data, behavioral data, enrollment data, progress monitoring assessments, state level assessments (MCAS), grades, subgroups, IEP information, and college success data (post-grad via the College Board).

All data dashboards have role and permission settings allowing subsets of the dashboard to be viewed by teachers (i.e. the authorized user would see only students in their current classroom), school level for principals, and district wide information to be viewed by the appropriate district administrators.

Here is an example screenshot of district attendance data:



The Open Architect's platform does not generate data. Students do not interact with it. The platform connects to existing CPS systems to display data in one place and in new ways.

2. What is the purpose of the Surveillance Technology?

The purpose and need for a Data Visualization Platform:

- Open Architect's enables us to monitor, **analyze, and manage service delivery.**

These are the benefits that the Open Architect platform provides:

- Enable CPS educators and administrators to see multiple forms of data in one place, saving time.
- Enable CPS educators and administrators to discover patterns and trends over single, or multiple years
- Enable CPS educators and administrators to make data driven decisions from individual to district level scale.

3. Where will the Surveillance Technology be deployed? When?

Open Architects is a cloud-hosted software platform. We have a Student Data Privacy agreement with them.

We are piloting this platform and planning to purchase for FY27. Appropriate permissions access will be provided to the educators and administrators as educationally needed and allowed by state law.

4. What privacy impact will the Surveillance Technology have?

The privacy impact of this software is that it brings multiple types of data together in one place. Educators and administrators already have access to each of the separate systems where this data resides, this platform, and the data visualizations enable both the big picture (district or school views) and the ability to drill into the details to the student level and plan actions based on it.

5. What are the fiscal costs of the Surveillance Technology, including initial costs, ongoing maintenance and personnel costs, and source of funds?

- Initial costs – **The pilot is free. The annual cost is about 44k**
- Ongoing maintenance – **The annual cost is about 44k**
- Personnel costs – **“N/A.”**
- Source of funds – **CPS Technology Budget**