



St. Louis Public Schools



Central Visual Performing Arts High School & Collegiate School of Medicine and Biosciences



May 9th, 2023

AGENDA

- Project Objectives
- Recent Improvements
- Safety & Security Elements
 - Interior Security
- Facility Assessment
 - Mechanical
 - Restrooms
 - Maintenance Items
- Site Assessments
 - Sidewalk renovations
 - School bus zoning
- Ongoing and Future Work
 - Spring 2023
 - Potential Summer 2023
 - Potential Fall 2023
- Facility & Site Envisioning
 - New Entries
 - Streetscape



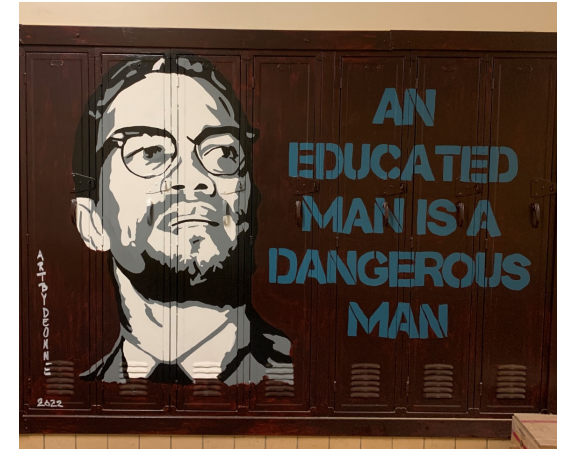
PROJECT OBJECTIVES



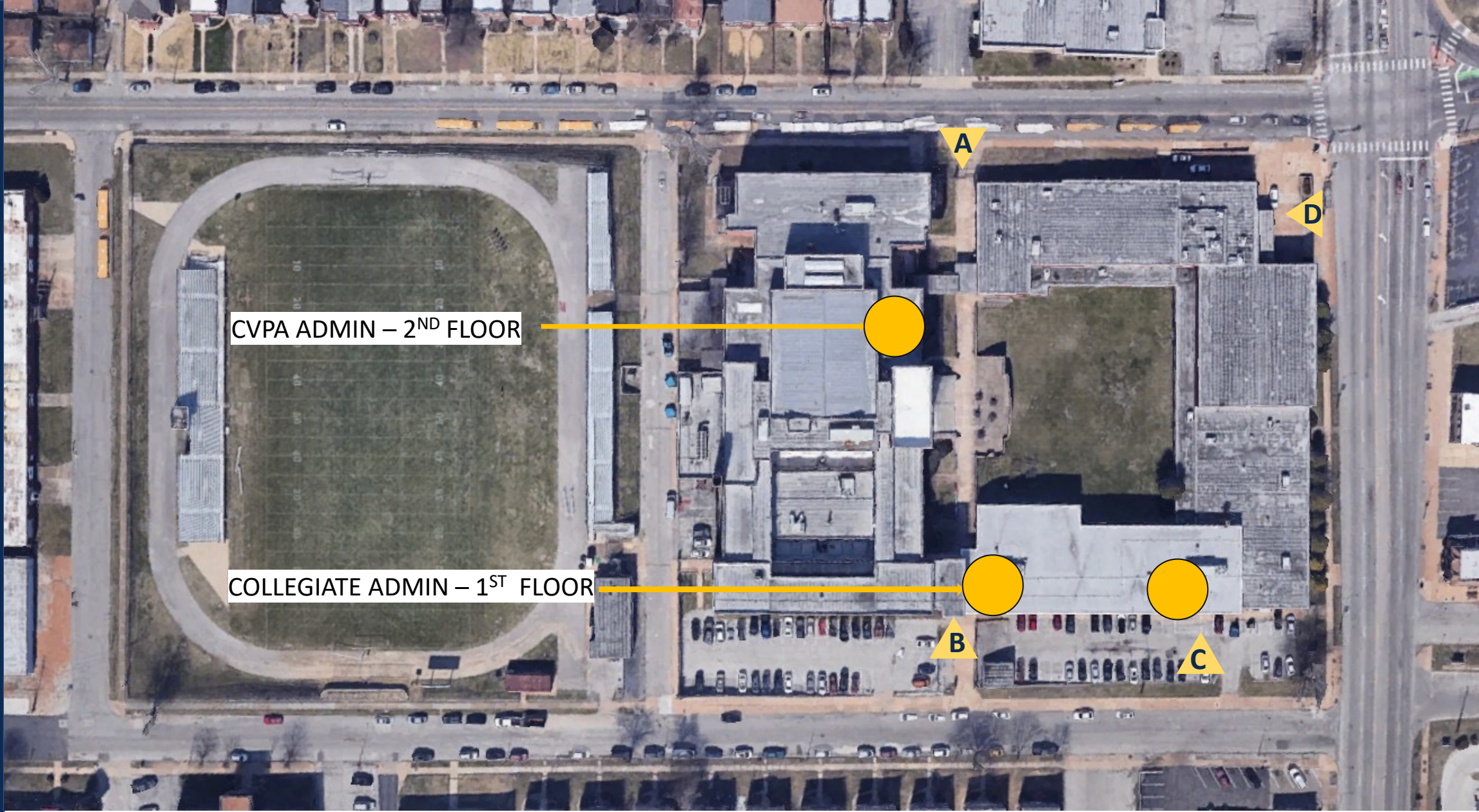
CVPA & CSMB

- Evaluate existing facilities
 - Documentation of mechanical and electrical systems
- Planning
 - Programming
 - Interior design
 - Exterior building improvements
 - Safety/Security improvements
 - Signage
- Identify scope of work
 - Phasing
 - Schedule
 - Budget





Recent Improvements



CVPA ADMIN – 2ND FLOOR

COLLEGIATE ADMIN – 1ST FLOOR

Site Plan: Main Entries



TOTAL DOORS REPLACED IN FACILITY: 135



PROVIDED HARDWARE:

- Office Function
 - Push Button Lock on Interior



CLASSROOM LOCK

- LEVER LOCKABLE BY A KEY ONLY FROM THE HALLWAY
- ALLOWS PASSAGE DURING THE DAY
- **TEACHER MUST GO INTO HALLWAY TO LOCK FROM EXTERIOR**
- **KEY HOLDER MUST BE PRESENT TO LOCK DOOR**



CLASSROOM SECURITY FUNCTION

- ALLOWS LEVER TO BE LOCKED BY KEY IN INTERIOR
- **KEYHOLDER MUST BE PRESENT TO LOCK DOOR**

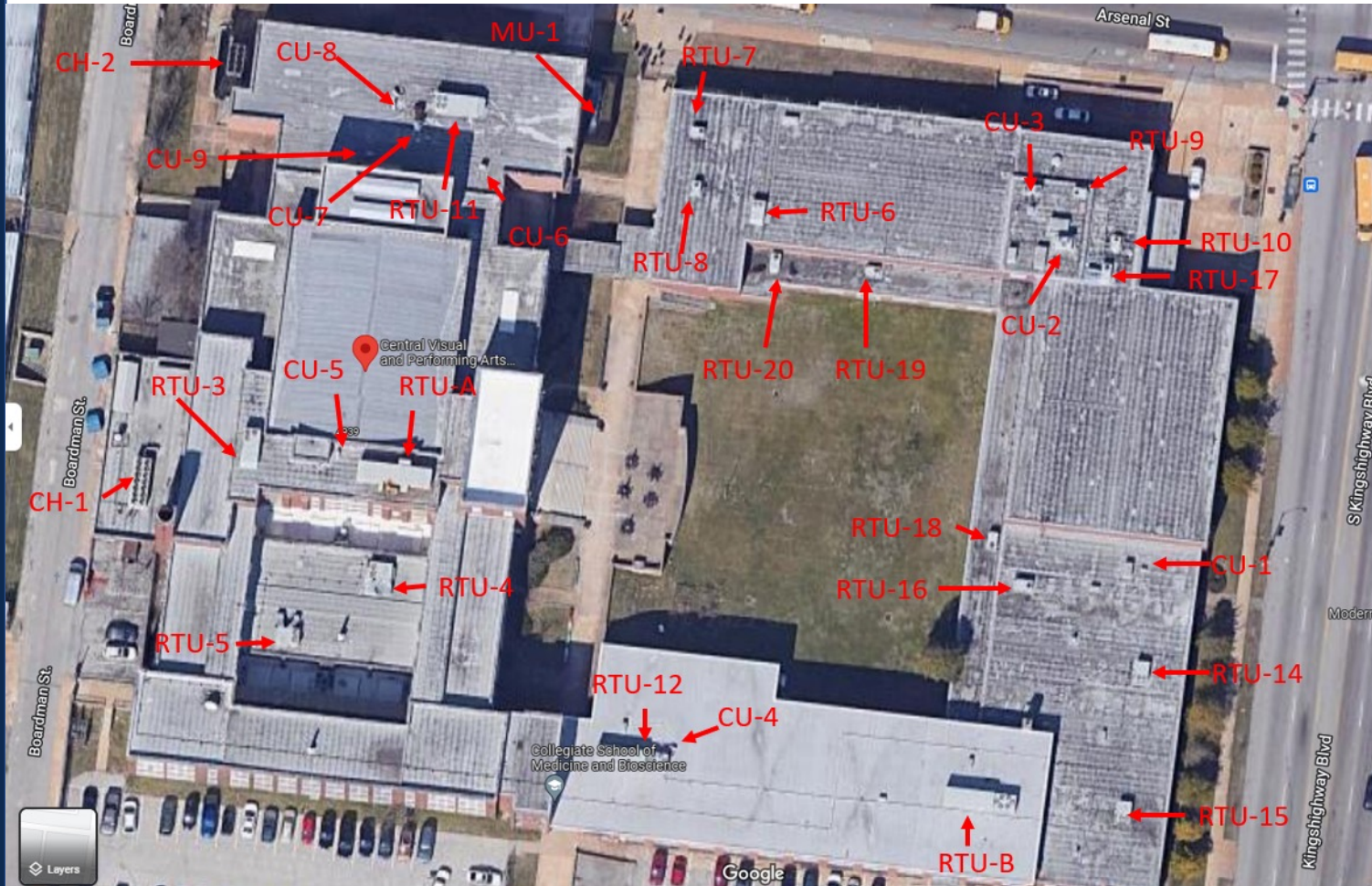


CLASSROOM SECURITY INTRUDER FUNCTION

- **ALLOWS LEVER TO BE LOCKED ON THE INTERIOR**
- ADDED STRENGTH OF A DEADBOLT
- PUSH BUTTON CAN PREVENT STUDENTS FROM LOCKING DEADBOLT ON INTERIOR

Interior Security: Hardware & Glazing





Equipment Summary

- Central AHUs connected to building hot water heating and chilled water cooling provided by air chillers
- Packaged rooftop equipment
- Window air conditioning units and mini split systems
- Collegiate gyms served by AHUs in a mechanical room with DX cooling split systems located on roof
- Boilers have ~10-15 years left on lifespan
- Pumps have ~ 7-15 years on lifespan
- Chillers have ~5 years of lifespan
- Central AHU has ~9 years of lifespan
- AHUs at Collegiate building are past lifespan
- Split systems are approaching end of lifespan
- Majority of packaged rooftop units are past lifespan and may begin to fail

Facility Assessment: Mechanical Systems





Existing Concerns:

- No proximity to main entry
- Staff not together
 - General office on 2nd
 - Principal on 2nd
 - Counseling on 3rd
 - Social Work on 3rd

Existing Concerns:

- No visibility to entries
- Staff not together

Facility Planning: Existing CVPA Offices





Existing Concerns:

- No urinal dividers
- Missing fixtures
- Damaged toilet compartments
- Lack of ADA compliance

Facility Planning: Locker Rooms & Restrooms

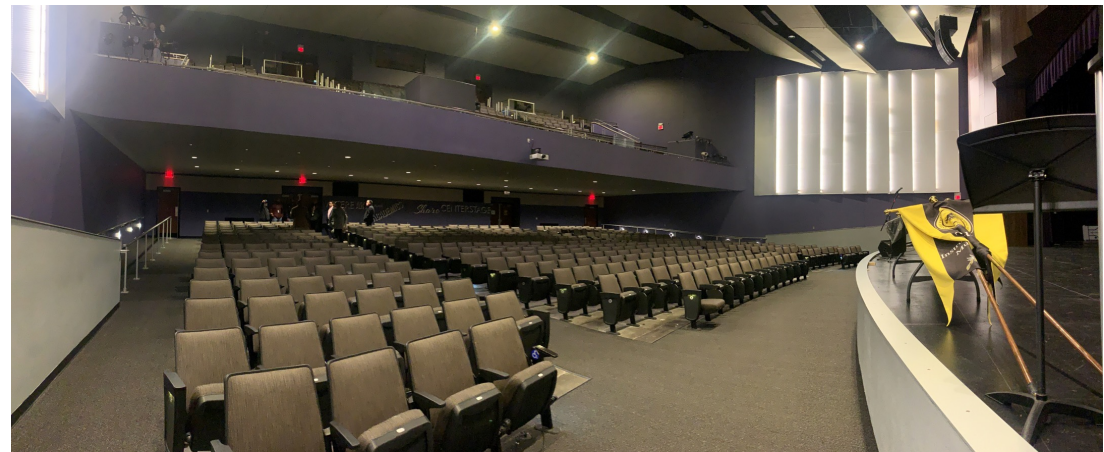




Exterior Maintenance



LOWER LEVEL CAFETERIA



SECOND LEVEL AUDITORIUM

Facility Planning: Potential Areas of Refuge



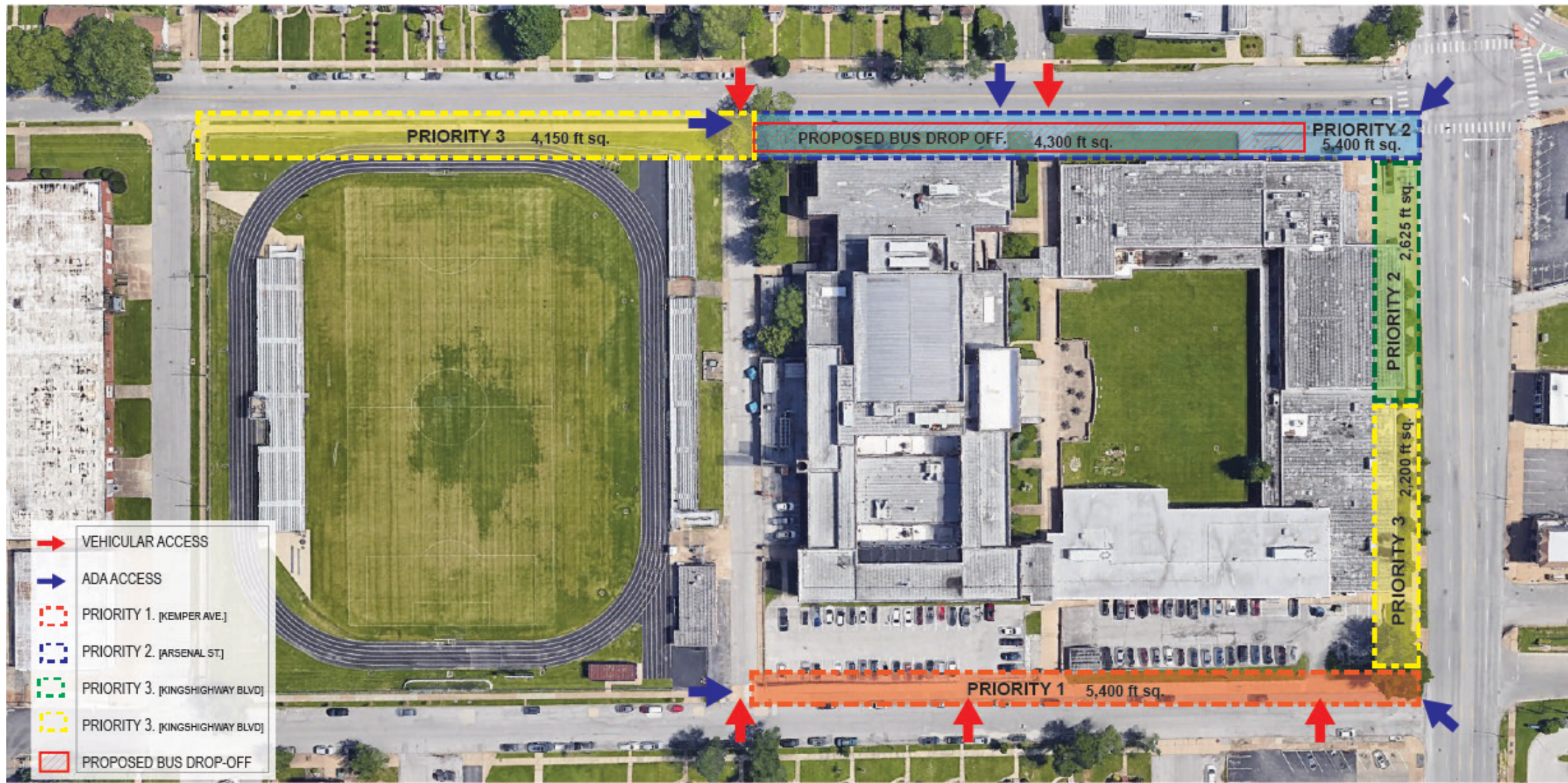


Site Assessments

- Sidewalk renovation
- Bus drop-off zoning assessment



Site Renovations: Bus drop-off & student movement



Sidewalk Renovation: Priority assessment

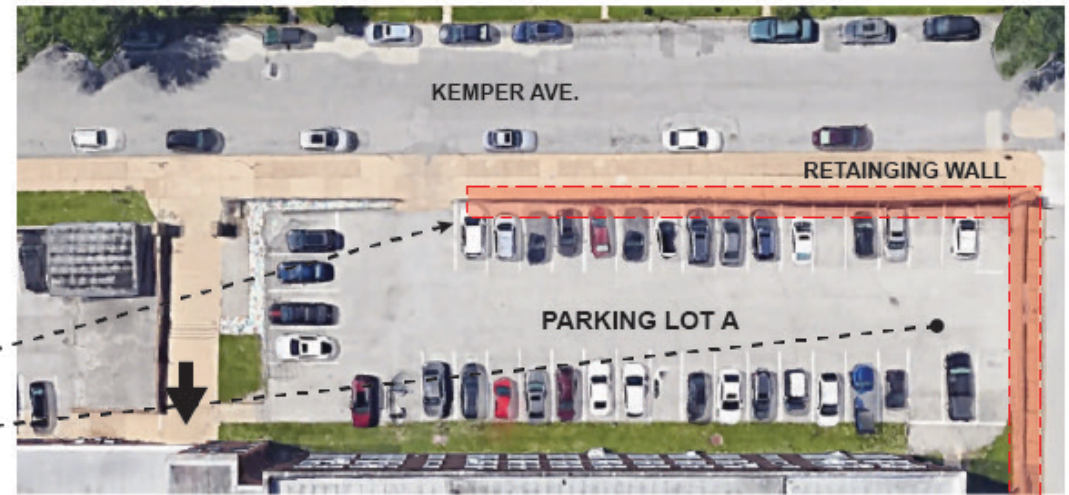




Locations	Total Square Footage
PRIORITY 1 [KEMPER AVE.]	5,400 ft sq.
PRIORITY 2 [ARSENAL ST + KINGSHIGHWAY BLVD.]	8,025 ft sq.
PRIORITY 3 [ARSENAL ST + KINGSHIGHWAY BLVD.]	4,150 ft sq.
PROPOSED BUS ZONE [ARSENAL ST.]	4,300 ft sq.

Existing Concerns:

- Sunken parking lot
- Failing retaining wall
 - Surface splitting
 - Cracked elements
 - Bowed structural wall
- Cracked and separated adjacent sidewalk



- Parking lot A. retaining wall
- Main surface parking for Central VPA staff
- Wrapped around retaining wall and fencing

Site Assessment: Existing conditions – Parking lot A



WINTER 2023

- Interior door and hardware updates
- Impact resistant film at exterior doors
- Interior Painting at dance studios and lockers
- Plaster repair at stairwells

POTENTIAL SUMMER 2023

- Exterior aluminum glass door replacement
- Restroom upgrades
- Sidewalk renovations

FUTURE

- Building entries and circulation
- Security/technology
- Areas of refuge

Facility Planning: Project Schedule



HIGH SCHOOL RENOVATION



A Path to Success

The East St. Louis High School project provided the opportunity to help rebuild a community through architecture and shape students' lives for generations. The existing 1950s-era building was poorly maintained and unsafe. After a \$50 million renovation phased over four years, the revitalized school provides a stark contrast; it is the flagship of the district and a visual representation of the community's support.



Case Study: East St. Louis School District



Case Study: East St. Louis School District







Deferred Maintenance

The existing 1950s-era building was poorly maintained and unsafe.





POP CULTURE





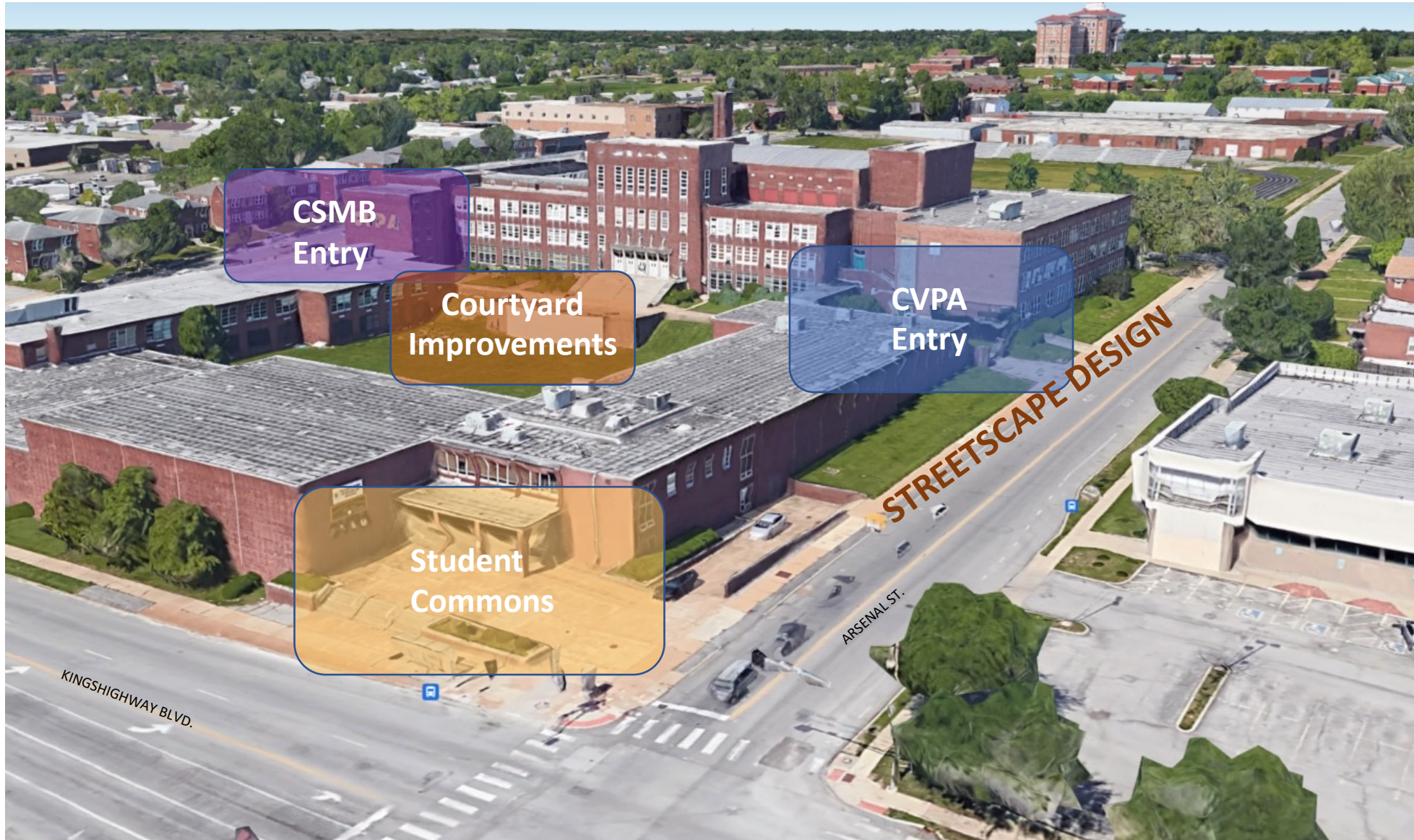


YES I CAN

CAREER
CENTER

1001
Career Center





Master Planning: CVPA



CVPA RENOVATIONS

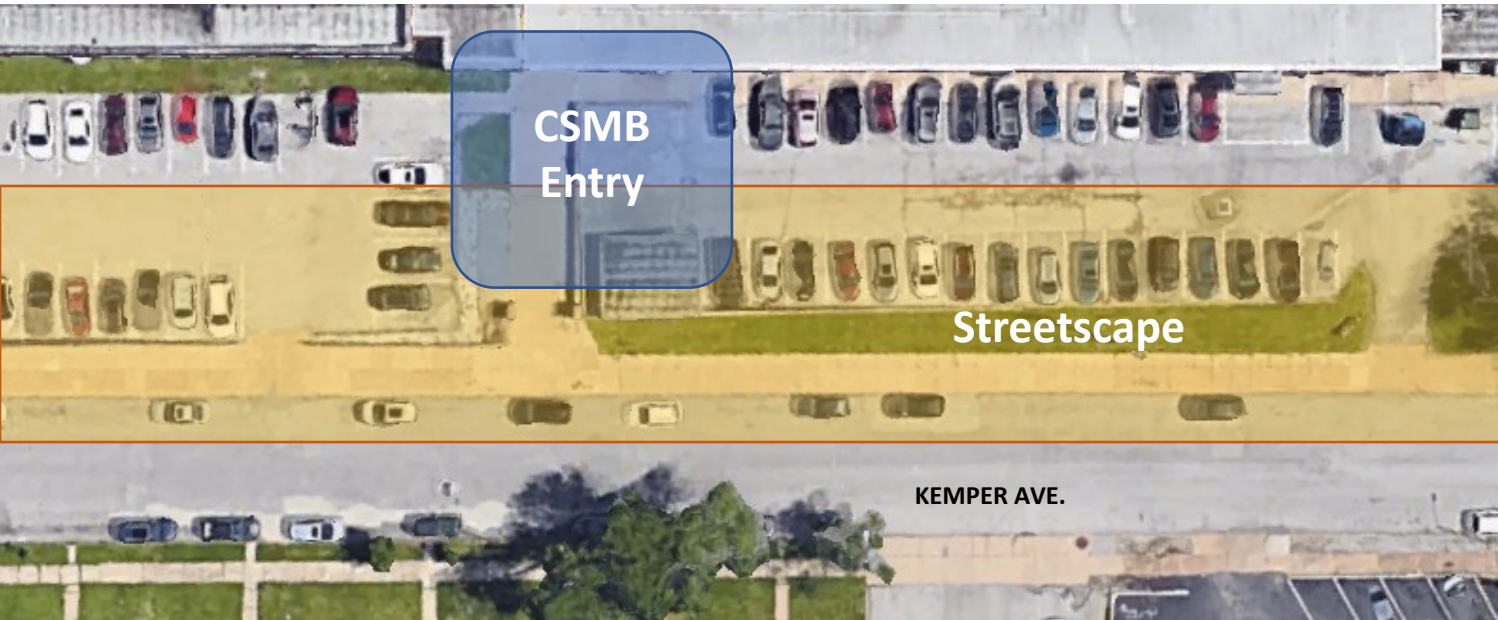
Envisioning

Both CVPA & CSMB High Schools have an opportunity to re-envision new entrances and approach to its facility. As an institution that supports two distinct learning environments through the arts and sciences; modern improvements proposed by the community can foster a new look and identity of the building.



Master Planning: CVPA

CSMB RENOVATIONS



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Master Planning: CSMB

Curb Appeal & Entries

The existing main entry for CVPA students is a gated passageway secured by a large chain length fence. During school dismissal, buses line up in front of this location to receive students in the afternoon. Aspects of security, circulation, and student movement are severely challenged at this entrance area.





CVPA Entrance & Streetscape Design





CVPA Entrance & Streetscape Design



Circulation & Entries



Kemper Ave. is the prominent southern face of the facility; of which acts as a main entry for Collegiate students and school visitors. Faculty parking, student gathering & walking, school bus parking, and much more are congested along this small roadway. There are many opportunities to redirect safe and clear circulation paths for both CVPA & CMB students & vehicles.





CSMB Entrance & Streetscape Design



Corner Presence

The corner of Kingshighway Blvd. and Arsenal St. is a prominent face to CVPA. This large intersection is marked with a leading entry into the performing arts and gymnasium wing of the facility. There are opportunities to reclaim its corner presence as a usable space for both CVPA & CMB students.





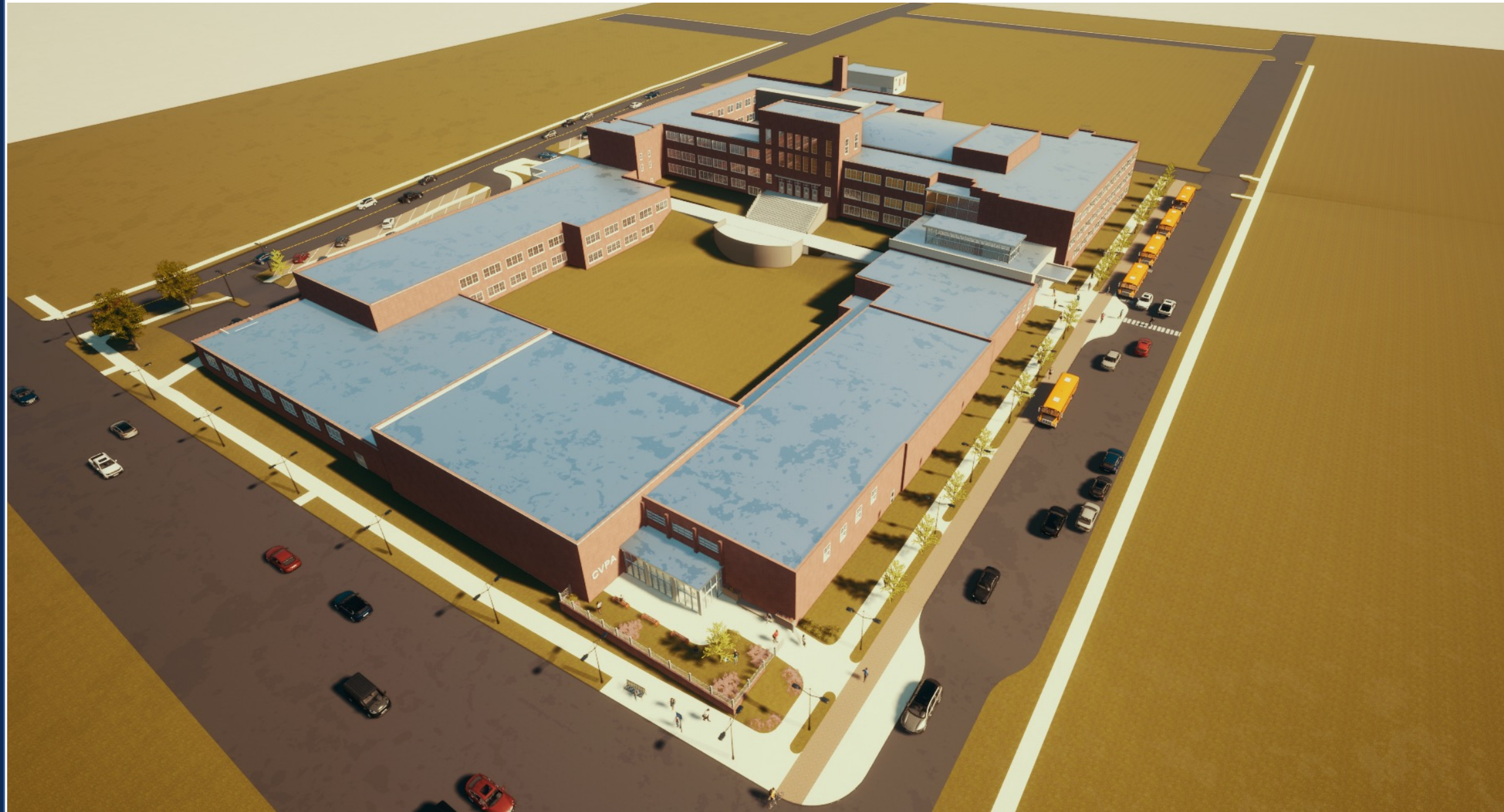
Corner Presence & Student Commons





Corner Presence & Student Commons





CVPA + CSMB Master Planning



THANK YOU

