



Saint Paul
PUBLIC SCHOOLS

Major Capital Projects:

**Board of Education
monthly progress update**

Facilities Department

April 2021



Project Timeline

1. Gate Check 1: Five-Year Capital Improvement and Deferred Maintenance Implementation Plan

Work identified in the five-year plan has been prioritized over the represented five-year horizon. Specificity of scope, schedule and budget vary for projects contained in the plan.

Board action requested: Approval of prioritization of work as represented in the plan.

2. Gate Check 2: Project Charter

The project charter is a product of internal pre-design work for projects estimated to be over two million dollars. The project charter contains the defined scope based on the evaluation of building condition, programmatic need, and initial stakeholder engagement. The preliminary schedule and project estimate are included.

Board action requested: Approval of the project charter indicating acceptance of the identified scope and understanding of the project schedule and rough order of magnitude of cost. Approval indicates the Board's direction to issue a request for proposal to secure design services.

3. Gate Check 3: Project Budget

Once a project has moved through schematic design, solutions have been identified and developed with sufficient detail to estimate a construction cost and set a final project budget. Finalization of the design and construction drawings will be informed by this budget.

Board action requested: Approval of final project budget. Approval indicates the Board's direction to proceed with construction bidding so long as the project remains within the allotted budget.

4. Gate Check 4: Construction Award

Per public procurement practices, work will be advertised for bid and bids will be received by the Purchasing Office and vetted for response compliance. Project consultants will vet the value of bids against anticipated costs and provide the District with a formal recommendation to award based on the lowest responsible bid.

Board action requested: Approval of vetted and recommended vendors to award work and enter into contractual agreement for construction.

5. Gate Check 5: Project Closeout

This gate check will be presented at the beginning of the project closeout phase and again upon final fiscal closeout of the project. The project closeout period begins at substantial completion of construction. The Substantial Completion certificates indicate beneficial occupancy and shift of focus to completion and inspection of punchlist items and entry into warranty period. There are still outstanding financial obligations during the closeout phase of the project, but an initial evaluation of the overall use of budget can be conducted. The second presentation of this gate check will occur when all contractual obligations are complete and all final payments have been issued. This can occur twelve to eighteen months after completion of construction. Except in the rare circumstance in which Substantial Completion and final closeout occur simultaneously, the Board will see the following two reports during this gate check:

- Gate Check 5.1: Initial Project Closeout (Substantial Completion)
- Gate Check 5.2: Final Project Closeout

Board action requested: Acceptance of report(s).

Project Financial Information

- A. Rough Order of Magnitude Cost Estimate:** In the initial planning phase, the cost of a project gets refined along the way as the scope of work is fine tuned and more in-depth information is gathered on the condition of the building and overall site. Through this process, the initial costing evolves from a rough estimate referred to as a "Rough Order of Magnitude" to a final budget. (Presented to the Board at Gate Check 1 and 2.)
- B. Original Budget:** Final project budget approved by the Board at Gate Check 3.
- C. Committed Costs:** Contractual obligation of funds for project work.
- D. Invoiced to Date:** Invoices are submitted and approved through Procore, the project management environment used by the District. The value represented indicates all invoices submitted and approved by the project team.
- E. Construction Award:** Total of all construction contracts.
- F. Construction Cost Changes:** Value of all change orders issued to construction contracts.
- G. Percent Change:** Calculation of construction change orders against total construction award.
- H. Total Forecasted Cost:** Anticipated cost of the fully delivered project at the time of the report including known committed, pending, and potential costs as identified by the project team.
- I. Construction Percent Complete (as invoiced):** Percent of completion is calculated based on the value of work in place as indicated on the vetted and approved pay applications submitted by contractors against the total value of construction commitments. As this is based on billed amounts, there is frequently a 30-60 day lag to represent the work in full.



American Indian Magnet: April 2021 Project Update



Location:
1075 Third St. E.
Saint Paul, MN 55106

Grades: PreK-8
Enrollment (SY19-20): 638

Project website:
<https://www.spps.org/aimsfmt>

Project summary

Project number: 1160-19-01

Funding: Certificates of Participation (COP)

Project type: Addition and renovation

Square footage:

- Existing: 103,000 sf
- Proposed: 131,626 sf

SPPS project team:

- Angela Selb-Sack, Senior Project Manager
- Larry Opelt, Project Manager
- Michelle Bergman Aho, Project Coordinator

Design team: Cuningham Group

Construction management: H+U Construction

Project scope

- Additions with new PreK-8th grade classrooms, administration area, media center (Long House), kitchen, and cafeteria.
- New playground and site improvements.
- Renovation of existing building including learning spaces, academic support spaces and restrooms.
- Replacement of all finishes, HVAC and controls, plumbing, lighting, required upgrades to fire suppression and fire alarm systems.

New this month

- The roof deck has been placed on the three-story addition and roofing started the last week of March.
- Three-story addition's second and third floors have been poured with concrete. Partitions are being framed and the ceiling mechanicals and electrical systems are being installed.
- Underground routing of roof drains is being completed in the Long House.
- Underground utilities are being installed in the three-story addition.

April 2021 - Project Financial Information

Original Budget	Committed Costs	Invoiced to Date	Construction Award	Construction Cost Changes	% Change	Total Forecasted Cost	Construction % Complete (as invoiced)
\$53,300,000	\$43,613,491	\$10,123,325	\$33,756,040	\$481,498	1.43%	\$43,734,745	19.32%

Project Timeline

Phase: Planning → Design → Construction →					
BOE Gate Check:	Five Year Plan	Project Charter	Budget Approval	Contract Award	Closeout
Key dates:	✓ Oct. 2018	☐ N/A	✓ Feb. 2020	✓ May 2020	☐ Fall 2024

American Indian Magnet



From top then left to right:

Roof deck placed over three-story addition; partitions being framed and ceiling mechanical and electrical systems being installed; underground routing of roof drains in Long House; underground utilities being installed in three-story addition (March 2021)



Saint Paul
PUBLIC SCHOOLS

Education and Operations Services*

April 2021 Project Update

Location: 1930 Como Ave., Saint Paul, MN 55108

Project website: <https://spps.org/districtservicefacility>

*Formerly known as the District Service Facility.

Project summary

Project number: 4000-16-01

Funding: Certificates of Participation (COP), Capital Bonds (CAP), Long-Term Facilities Maintenance (LTFM)

Project type: Addition and renovation

Square footage:

- Existing: 228,836 sf
- Proposed: 248,836 sf

SPPS project team:

- Pam Bookhout, Project Manager
- Michelle Bergman Aho, Project Coordinator

Design team: TKDA

Construction management: Kraus-Anderson

Project scope

Addition with flexible office space and training center; clear entry, reception desk and improved wayfinding. Teams' spaces for informal and formal collaboration; replacement of all finishes in remodeled areas, new water main, new electrical service, improved lighting and updated restrooms in remodeled areas.

New this month

- Demolition of Phase 2 spaces in full swing: removing stairs, walls and digging into concrete floors for mechanicals. Old rail tracks that served the facility before SPPS ownership were removed.
- Masonry block and brick work were placed in locations where mechanicals were removed; new doors were installed; and openings closed off.
- Penthouse HVAC and louvers demolished; clay tile wall demolished.
- Concrete finished in office area; continued filling of old dock door openings; drywall, painting and electrical underway. Opening to existing office area to occur during spring break.

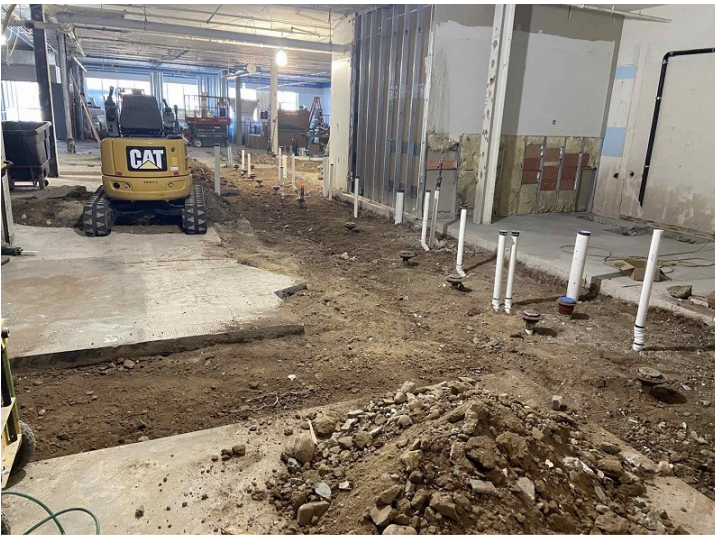
April 2021 - Project Financial Information

Original Budget	Committed Costs	Invoiced to Date	Construction Award	Construction Cost Changes	% Change	Total Forecasted Cost	Construction % Complete (as invoiced)
\$17,120,000	\$12,451,674	\$8,375,962	\$8,012,346	\$546,193	6.82%	\$12,605,702	68.32%

Project Timeline

Phase: Planning → Design → Construction →						
BOE Gate Check:	Five Year Plan	Project Charter	Budget Approval	Contract Award	Closeout	
Key dates:	✓ Oct. 2018	☐ N/A	✓ Feb. 2020	✓ May 2020	☐ Fall 2021	

Education and Operations Services



From top then left to right:
Plumbing and vent pipes for restrooms; closing docks 4 and 5; managing a variety of wall conditions;
changes to the penthouse (March 2021)



Saint Paul
PUBLIC SCHOOLS

Frost Lake Elementary: April 2021 Project Update

FROST LAKE
ELEMENTARY SCHOOL

Location:
1505 E. Hoyt Ave.
Saint Paul, MN 55106

Grades: PreK-5

Enrollment (SY19-20):
526

Project website:
www.spps.org/frostlakefmp

Project Summary

Project number: 1100-19-01

Funding: Capital Bonds, Long-Term Facilities
Maintenance

Project type: Addition and renovation

Square footage:

- Existing: 73,415 sf
- Proposed: 98,493 sf

SPPS project team:

- Rosemary Dolata, Project Manager
- Michael Christen, Project Coordinator

Design team: U+B Architecture & Design

Construction management: Kraus-Anderson

Project Scope

- 32,000 sf addition with new PreK and K classrooms, dividable gym, kitchen, cafeteria, secure main entry and service entrance.
- New playground, re-routed bus traffic and new drop off curb cuts.
- Renovation of existing building with learning and academic support spaces, restrooms; demolition of parks and recreation building connected to school.
- Replacement of all finishes, HVAC and controls, lighting; new fire suppression and fire alarm systems.

New this month

- New school bus routing to Idaho Ave. will be presented to Greater East Side District Council on April 21 (virtual); construction begins this summer and new route starts fall 2021.
- Elevator work nearly complete; interior painting ongoing; acoustic panels placed in gym.
- Ceiling grid installation complete in most of addition; mechanical and electrical work in progress in new entry lobby; new main office window opening cut and ready for windows; ceiling lights to be installed.

April 2021 - Project Financial Information

Original Budget	Committed Costs	Invoiced to Date	Construction Award	Construction Cost Changes	% Change	Total Forecasted Cost	Construction % Complete (as invoiced)
\$36,000,000	\$23,190,832	\$9,472,056	\$17,650,292	\$327,148	1.85%	\$23,230,572	39.25%

Project Timeline

Phase: <i>Planning</i> → <i>Design</i> → <i>Construction</i> →							
BOE Gate Check:	Five Year Plan	Project Charter	Budget Approval	Contract Award	Closeout		
Key dates:	✓ Oct. 2018	☐ N/A	✓ Dec. 2019	✓ May 2020	☐ Aug. 2022		

Frost Lake Elementary



From top then left to right: Elevator work; kindergarten room prepped for painting; acoustic panels in gym; new main office window opening is cut; building addition exterior (March 2021)



Saint Paul
PUBLIC SCHOOLS

Humboldt High School: April 2021 Project Update



Location:
30 Baker St. E.
St Paul, MN 55107

Project website:
<http://www.spps.org/humboldttmp>

Grades: 6-12

Enrollment (SY19-20):
1,163

Project summary

Project number: 2142-16-02

Funding: Certificates of Participation (COP)

Project type: Addition and renovation

Square footage:

- Existing: 230,829 sf
- Proposed: 255,276 sf

SPPS project team:

- Angela Selb-Sack, Senior Project Manager
- Michael Christen, Project Coordinator

Design team: Cuningham Group

Construction management: H+U Construction

Project scope

- Two three-story additions to create new middle school house; right-sizing of learning spaces to support existing student population; relocation of main entry to make easily identifiable and adjacent to parking.
- Renovation of existing building including learning spaces, academic support spaces and restrooms.
- Replacement of all finishes, HVAC and controls, plumbing, lighting; required upgrades to fire suppression and fire alarm systems.

New this month

- Rigging equipment, which is the structure that supports the theater lighting system in the auditorium, is anticipated to arrive mid-April for installation; finishes and seating to follow.

April 2021 - Project Financial Information

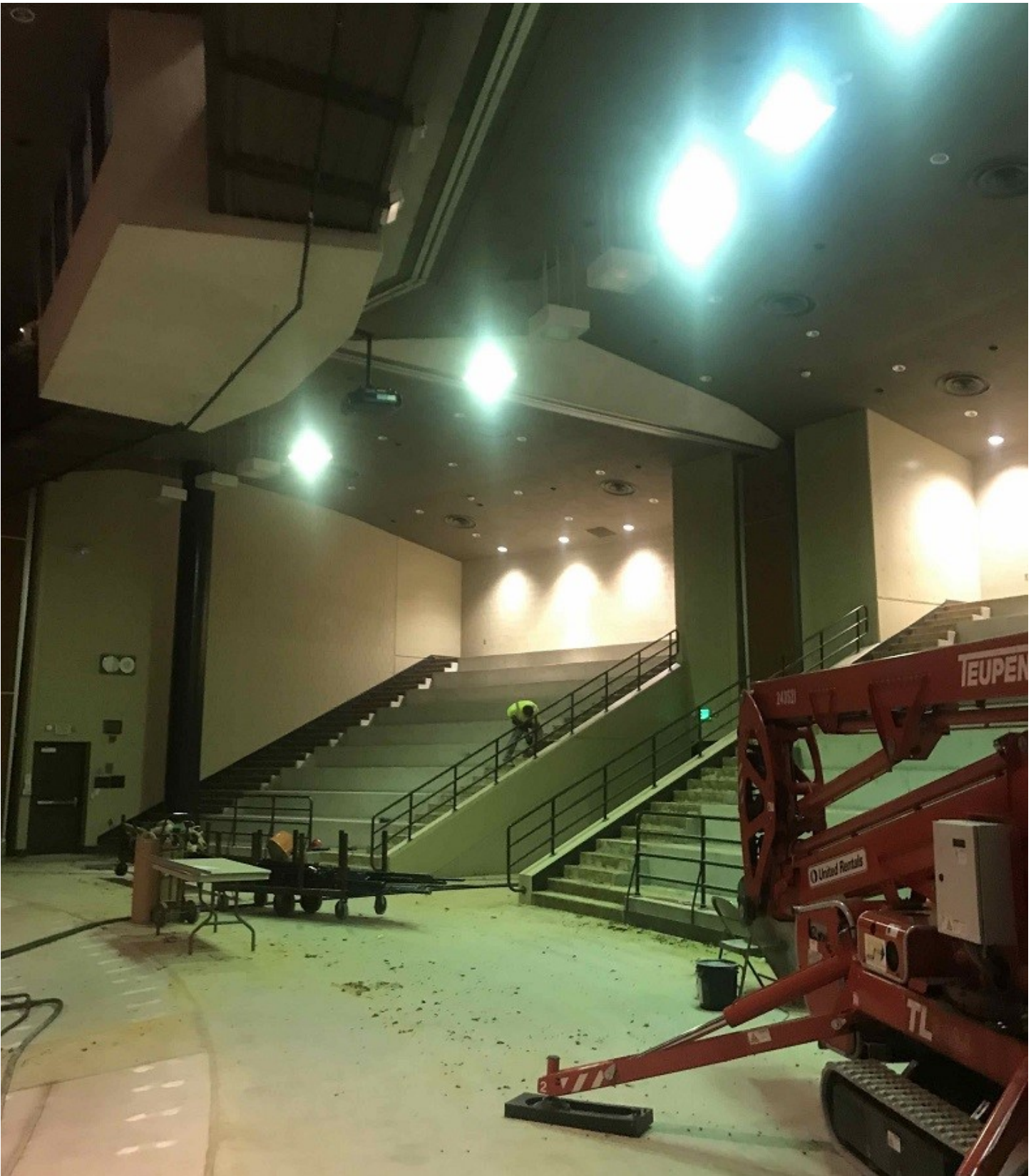
Original Budget	Committed Costs	Invoiced to Date	Construction Award	Construction Cost Changes	% Change	Total Forecasted Cost	Construction % Complete (as invoiced)
\$48,000,000	\$48,423,904*	\$41,500,672	\$37,257,624	\$2,939,515	7%	\$48,000,000	91%

*Surety payment of \$ \$1,915,916 due to a contractor that went out of business will offset the value over the approved budget.

Project Timeline

Phase: Planning → Design → Construction →						
BOE Gate Check:	Five Year Plan	Project Charter	Budget Approval	Contract Award	Closeout	
Key dates:	✓ May 2016	☐ N/A	✓ N/A	✓ March 2017	☐	Spring 2021

Humboldt High School



Wide view of new auditorium; photo is from August 2020 as no new photos available this month.



Saint Paul
PUBLIC SCHOOLS

Johnson Senior High School: April 2021 Project Update



Location:

1349 Arcade S.
Saint Paul, MN 55106

Project website:

www.spps.org/Page/39804

Grades: 9-12

Enrollment (SY19-20):

1,243

Project summary

Project number: 1150-19-01

Funding: Long-Term Facilities Maintenance (LTFM)

Project type: Building systems upgrades

Square footage:

Existing: 281,369; Proposed: N/A

SPPS project team:

- Jason Jones, Project Manager
- Josie Geiger, Project Coordinator

Design team:

- TKDA
- Tim Hoseck, Engineer
- Ursula Larson, Architect

Construction team: N/A

Project scope

- Significant replacements to the HVAC system
- Lighting replacement

New this month

- Planning and coordination meetings have begun with the general contractor and sub-contractors to coordinate and plan the project's construction.
- Contractors are acquiring building and mechanical permits along with building materials that need a long lead time.

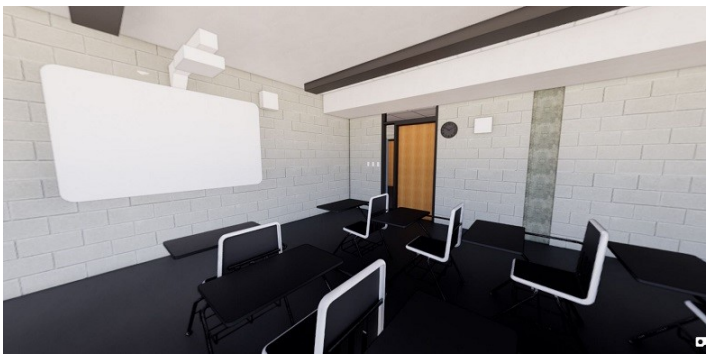
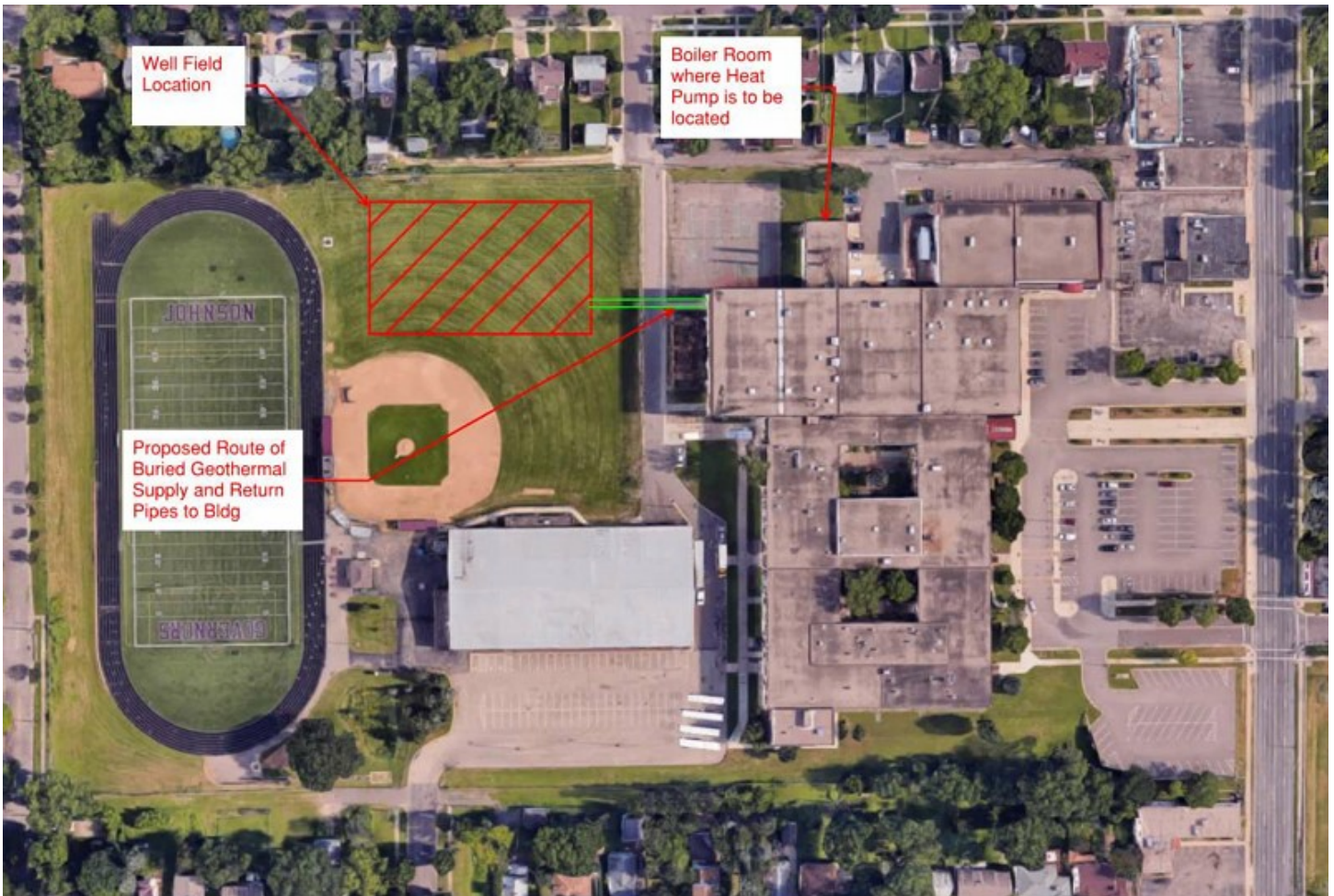
April 2021 - Project Financial Information

Original Budget	Committed Costs	Invoiced to Date	Construction Award	Construction Cost Changes	% Change	Total Forecasted Cost	Construction % Complete (as invoiced)
\$16,500,000	\$14,201,838	\$1,018,193	\$12,865,000	0%	0%	\$14,288,638	0%

Project Timeline

Phase: Planning → Design → Construction →							
BOE Gate Check:	Five Year Plan	Project Charter	Budget Approval	Contract Award	Closeout		
Key dates:	✓ Oct. 2018	☐ N/A	✓ Oct. 2020	✓ Feb. 2021	☐ Fall 2023		

Johnson Senior High School



Top image: Site photo showing location of geothermal well field

Bottom images: Rendering of what a typical classroom will look like with the drywall soffit and new air ductwork hidden within it; rendering of what the typical hallway spaces will look like; new ACT ceilings and LED lighting with new air ductwork above ceiling.



Saint Paul
PUBLIC SCHOOLS

Phalen Lake Hmong Studies: April 2021 Project Update



Location:

1089 Cypress St.
Saint Paul, MN 55106

School website:

<https://www.spps.org/phalen>

Grades: PreK-5

Enrollment (SY19-20): 662

Project summary

Project number: 1200-19-01

Funding: Certificates of Participation (COP)

Project type: Building systems upgrades

Square footage:

Existing: 77,899 sf; Proposed: N/A

SPPS project team:

- Vaughn Kelly, Project Manager
- Josie Geiger, Project Coordinator

Design team:

- Architect, The Adkins Association Architects
- Mechanical Engineering, IMEG
- Electrical Engineering, IMEG
- Structural Engineering, A.M. Structural Engineering

Construction management: N/A

Project scope

Significant upgrades to HVAC systems for improved indoor air quality, increased circulation of fresh air, and efficient maintenance of appropriate temperatures.

New this month

- No new updates as internal preparations are being made for Phase 2 which begins in spring/summer 2021.

April 2021 - Project Financial Information

Original Budget	Committed Costs	Invoiced to Date	Construction Award	Construction Cost Changes	% Change	Total Forecasted Cost	Construction % Complete (as invoiced)
\$7,175,000	\$5,755,559	\$4,403,001	\$5,101,850	\$139,035	2.73%	\$5,928,229	74.86%

Project Timeline

Phase: <i>Planning</i> → <i>Design</i> → <i>Construction</i> →							
BOE Gate Check:	Five Year Plan	Project Charter	Budget Approval	Contract Award	Closeout		
Key dates:	✓ Oct. 2018	☐ N/A	✓ Feb. 2020	✓ March 2020	☐ Fall 2021		

Phalen Lake Hmong Studies



Images from top to bottom:

Pumps and piping for hot water heating system; gymnasium is complete and area cleared of contractor's staging equipment; entry with new ceiling and lighting (November 2020; no new photos available this month)



Saint Paul
PUBLIC SCHOOLS

Roofing Replacements: April 2021 Project Update

- **Dayton's Bluff:** 262 Bates Ave., St. Paul, MN 55106 / Grades: PreK-5 / Enrollment (SY19-20): 300
- **LEAP High School:** 631 N Albert St., St. Paul, MN 55104 / Grades: 9-12 / Enrollment (SY19-20): 176
- **Hubbs Center:** 1030 University Ave. W., St. Paul, MN 55104 / Adult Basic Education
- **Note:** As part of the on-going roof replacement program, Bridgeview's roof replacement has been postponed to the next funding cycle.

Project summary

Project number: 0175-20-01

Funding: Long-Term Facilities Maintenance (LTFM)

Project type: Building system replacement

Square footage:

Existing: N/A; Proposed: N/A

SPPS project team:

- Vaughn Kelly, Project Manager
- Josie Geiger, Project Coordinator

Design team:

- Architect: Miller Dunwiddie
- Mechanical and Electrical Engineering: Emanuelson-Podas
- Structural Engineering: BKBM

Project scope

Roofing replacements at:

- Dayton's Bluff Achievement Plus Elementary
- Hubbs Center (Adult Basic Education)
- LEAP High School

New this month

- Dayton's Bluff and Hubbs are complete.
- Minor masonry repairs at LEAP to be completed in the spring when outdoor air temperatures rise.

April 2021 - Project Financial Information

Original Budget	Committed Costs	Invoiced to Date	Construction Award	Construction Cost Changes	% Change	Total Forecasted Cost	Construction % Complete (as invoiced)
\$4,343,000	\$3,498,317	\$3,408,352	\$2,688,588	\$434,061	16.14%	\$3,511,232	99.46%

Project Timeline

Phase: <i>Planning</i> → <i>Design</i> → <i>Construction</i> →							
BOE Gate Check:	Five Year Plan	Project Charter	Budget Approval	Contract Award	Closeout		
Key dates:	✓ Oct. 2018	☐ N/A	✓ Jan. 2020	✓ April 2020	☐ Fall 2020		

Roofing Replacements



All photos from Hubbs:

1st row - Before photos (spring 2020): Roof/penthouse; second angle roof/penthouse.

2nd/3rd rows - After photos (Nov. 2020): Relationship of Hubbs to AGAPE; facade from University Ave; facade from AGAPE
(no new photos this month)



Saint Paul
PUBLIC SCHOOLS

Washington Technology Magnet: April 2021 Project Update



Location:

1495 Rice
Saint Paul, MN 55117

Project website:

<https://www.spps.org/Page/38519>

Grades: 6-12

Enrollment (SY19-20):

2,136

Project summary

Project number: 4040-19-01

Funding: Capital Bonds (CAP)

Project type: Athletic improvements

Square footage:

Existing: N/A; Proposed: N/A

SPPS project team:

- Vaughn Kelly, Project Manager
- Mike Christen, Project Coordinator
- Charles Colvin, Environmental Specialist

Design team:

- Architect and Electrical Engineering:
Wold Architects and Engineers
- Civil Engineering: BKBM
- Landscape Design: Calyx Design Group

Project scope

Multi-sports field with artificial turf; pole-mounted lighting; 8-lane track; discus, shot put, and long jump areas; resurfaced tennis courts; grass practice field

New this month

- Preparations have begun for spring work.
- Project team is monitoring the weather and will start work as conditions allow.
- Work will start in the spring with final grading, grass seeding, and various other small tasks.

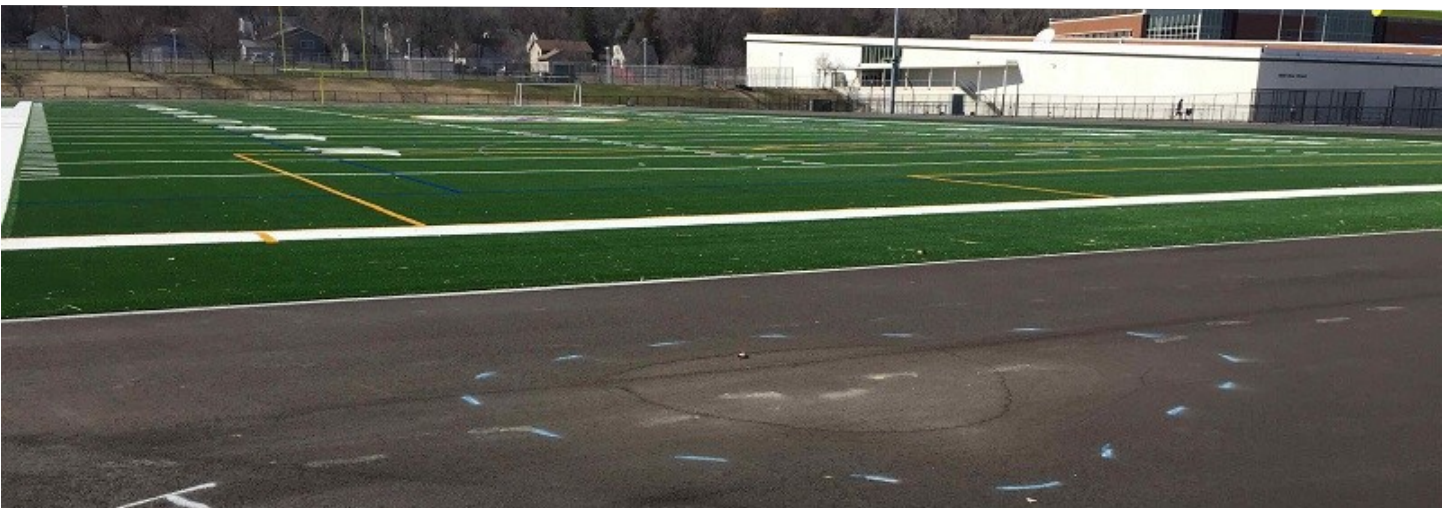
April 2021 - Project Financial Information

Original Budget	Committed Costs	Invoiced to Date	Construction Award	Construction Cost Changes	% Change	Total Forecasted Cost	Construction % Complete (as invoiced)
\$4,669,000	\$6,310,997	\$4,540,513	\$3,904,046	\$1,372,732	35.16%	\$6,310,997	70.51%

Project Timeline

Phase: Planning → Design → Construction →							
BOE Gate Check:	Five Year Plan	Project Charter	Budget Approval	Contract Award	Closeout		
Key dates:	✓ Oct. 2018	☐ N/A	✓ Jan. 2020	✓ March 2020	☐ Nov. 2020		

Washington Technology Magnet



Images from top to bottom: Shot put area; stabilized soil above stormwater management system; preparations for track surfacing (March 2021)



Saint Paul
PUBLIC SCHOOLS

Window Replacements: April 2021 Project Update

- **Saint Paul Music Academy:** 27 Geranium Ave. E., St. Paul, MN 55117 / Grades: PreK-5 / Enrollment (SY19-20): 598
- **Riverview:** 160 Isabel St. E., St. Paul, MN 55107 / Grades: PreK-5 / Enrollment (SY19-20): 433
Note: Riverview's window replacement has been postponed to the next funding cycle.

Project summary

Project number: 0201-20-01

Funding: Long-Term Facilities Maintenance (LTFM)

Project type: Building system replacement

Square footage:

- Existing: N/A; Proposed: N/A

SPPS project team:

- Pam Bookhout, Project Manager
- Andrew Sivanich, Project Coordinator

Design team: Paul Meyer Architects

General contractor: S & J Contracting for St. Paul Music Academy

Project scope

Select window replacements at:

- **Saint Paul Music Academy:** Work planned for summer 2021.
- **Riverview:** Window replacement has been postponed to the next funding cycle.

New this month

St. Paul Music Academy: The contract has been signed by the contractor (S&J) and SPPS. Shop drawings are being reviewed.

April 2021 - Project Financial Information

Original Budget	Committed Costs	Invoiced to Date	Construction Award	Construction Cost Changes	% Change	Total Forecasted Cost	Construction % Complete (as invoiced)
\$2,172,500	\$1,481,312	\$1,094,581	\$1,330,800	\$39,449	2.96%	\$1,481,312	75.21%

Project Timeline

Phase: Planning → Design → Construction →					
BOE Gate Check:	Five Year Plan	Project Charter	Budget Approval	Contract Award	Closeout
Key dates:	✓ Oct. 2018	☐ N/A	✓ Jan. 2020	✓ Feb. 2020 (Journeys, Wellstone) Dec. 2020 (Music Academy)	☐ Fall 2021