

# **Major Capital Projects:**

# Board of Education monthly progress update

**Facilities Department** 

February 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 predesign 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: February 2021 Project Update



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

#### **Project website:**

https://www.spps.org/aimsfmp

#### Grades: PreK-8

Enrollment (SY19-20): 638

#### **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

- Floor and roof decking is being installed on three-• story addition; floor and roof decking is complete for mechanical space above Long House meeting rooms.
- Main Distribution Frame room's racks and equipment • are installed and connections tested; the suspended ceiling is in the process of being installed.
- Earl Street's secure entrance is complete with inner • vestibule doors now locked; people will be buzzed into a secure corridor.
- New gym's temporary flooring and accessible ramp • are installed.

		Fe	brua	y 202	1 - Pr	oject F	ina	ncial Inf	ormation		
Original Buo		nmitted Costs		Invoiced to Date		ruction vard		nstruction Cost Changes	% Change	Total Forecasted Cost	Construction % Complete (as invoiced)
\$53,300,0	00 \$43,	510,888	\$9,20	0,325	\$33,7	56,040	ç	\$466,585	1.38%	\$43,590,581	16.97%
					Proj	ect Tin	neli	ine			
Phase:	Planning ——	>	Design -				->	Constructior	ı ———		
BOE Gate Check:	Five Year Plan	Proje Chart		Bud Appr	0	Contra Awaro					Closeout
Key dates:	✓ Oct. 2018	N/A		✔ Feb. 2		✓ May 20	20				□ Fall 2024

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## **American Indian Magnet**



From top then left to right:

Floor and roof decking being installed on three-story addition; Main Distribution Frame room with racks and equipment; new temporary flooring in gym and accessible ramp; mechanical space above the Long House meeting rooms. (January 2020)



# Education and Operations Services\* February 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

- Furniture installation for the first and second floors of the addition began on January 25.
- The new dock enclosures are complete for docks 32 and 33. Distribution and delivery traffic has moved to the east side of the building.
- Preparations are being made for the completion of Phase 1 of the construction of the addition and are now transitioning into Phase 2 which involves the renovation of the existing office area. The transition of staff from one space to the other is scheduled for the week of February 8.

		Fe	bruary 2	021 - Pr	oject Fi	ina	ncial Inf	ormation		
Original Buo	dget Co	ommitted Costs	Invoiced t Date		truction ward		nstruction Cost Changes	% Change	Total Forecasted Cost	Construction % Complete (as invoiced)
\$17,120,0	00 \$1	1,827,348	\$6,799,27	5 \$8,0	\$8,011,456		344,470	4.30%	\$12,001,624	57.09%
Phase:	Project Timeline         Phase:       Planning         Design       Construction									
BOE Gate Check:	Five Year Plan	Proje Chart		Budget pproval	Contrac Award					Closeout
Key dates:	✓ Oct. 2018	3 N/A	A Fe	✓ eb. 2020	✓ May 202	20				<b>D</b> Fall 2021

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# **Education and Operations Services**



New office furniture has been installed in new addition. (February)



## Frost Lake Elementary: February 2021 Project Update



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

Project website: www.spps.org/frostlakefmp Grades: PreK-5

Enrollment (SY19-20): 526

#### **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

- Brick on addition is in place and first floor windows installed; second floor window installation has begun.
- Temporary walls are in place to clearly separate the construction area from building users.
- Interior wall studs are in place for the new office area in the existing school building and in new addition.
- Sheetrock is in place on the first floor of addition with taping to follow; new gym has been painted.
- Mechanical and electrical rough-in work continues; new air handlers and boilers are in place.

	February 2021 - Project Financial Information									
Original Buo	-	nmitted Costs	Invoiced to Date		struction Award		nstruction Cost Changes	% Change	Total Forecasted Cost	Construction % Complete (as invoiced)
\$36,000,0	00 \$23	\$23,105,822 \$8,077,606		\$17	7,650,292	\$	297,308	1.68%	\$23,136,751	32.46%
Phase:	Project Timeline  Phase: Planning							>		
BOE Gate Check:	Five Year Plan			dget roval	Contract Award	t				Closeout
Key dates:	✓ Oct. 2018	N/#	<b>`</b>	<b>/</b> 2019	✓ May 202	0				<b>ل</b> Aug. 2022

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# **Frost Lake Elementary**



From top then left to right: Entry from future playground; temporary walls in place to separate construction area; main floor prekindergarten classrooms; new gym is painted; boilers are in place (January)



## Humboldt High School: February 2021 Project Update



Location: 30 Baker St. E. St Paul, MN 55107 Grades: 6-12

Enrollment (SY19-20): 1,163

#### Project website:

http://www.spps.org/humboldtfmp

#### **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

- Structural calculations conducted for the existing • ceiling structure to carry the load of the new rigging equipment to be installed.
- Structural elements have been received and are being installed in preparation for the rigging that will arrive in March.

	February 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	\$48,423,215*	\$41,189,673	\$37,257,624	\$3,022,333	8.11%	\$48,000,000	90%				

\*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 ——	──► Desig	n		Construction				
BOE Gate Check:	Five Year Plan	Project Charter	Budget Approval	Contract Award	Closeout				
Key dates:	<ul><li>✓</li><li>May 2016</li></ul>	D N/A	√ N/A	✓ March 2017	G Spring 2021				

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# Humboldt High School



From top to right: Restoration of the construction parking and storage area; finished spaces: inclusive restroom; main office and entrance area with staircase; bulletin board (November 2020; no new photos available this month)



## Johnson Senior High School: February 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
- Lon Fiedler, Engineer

#### Construction team: N/A

#### **Project scope**

- Significant replacements to the HVAC system
- Lighting replacement

#### New this month

- Three qualified bids were received at the bid opening and the project has been awarded to the lowest responsible contractor by the Board of Education.
- Currently completing the contract paperwork with the general contractor and securing other required items.
- Construction is planned to formally start in earnest once school is released in June.

	February 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	\$1,313,782	\$910,887	TBD	N/A	N/A	N/A	N/A				

	Project Timeline									
Phase:	Planning ——	<b></b>	Design		>	Construction				
BOE Gate Check:	Five Year Plan	Proje Chart		Budget Approval	Contract Award	Closeout				
Key dates:	✓ Oct. 2018	□ N/#	Ą	✓ Oct. 2020	<b>D</b> Feb. 2021	Fall 2023				

## **Johnson Senior High School**





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



#### 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**

Phalen Lake Hmong Studies: February 2021 Project Update

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

#### New this month

- Phase 1 is complete and the building is ready for students.
- Some remote work continues (lighting controls are remotely programmed) allowing for access by the District's automation shop.
- Phase 2 begins in by summer 2021.

	February 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	\$5,747,672	\$4,287,254	\$5,101,850	\$131,148	2.57%	\$5,922,330	74.86%				
			Droject Tir	nolino							

	Project Timeline								
Phase:	Planning ——	Design -			Construction				
BOE Gate	Five Year	Project	Budget	Contract	Closeout				
Check:	Plan	Charter	Approval	Award					
Key dates:	✓	D	✓	✓	G				
	Oct. 2018	N/A	Feb. 2020	March 2020	Fall 2021				

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# **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)



## **Roofing Replacements: February 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

- Work on all three buildings is substantially complete and the buildings are usable.
- Punch list corrections are being completed at LEAP and Hubbs.
- Dayton's Bluff is complete and is being closed out.

		Fe	bruar	y 202:	1 - Pi	roject F	ina	incial Inf	ormation		
Original Buo	-	Committed Invo Costs to D				truction ward		nstruction Cost Changes	% Change	Total Forecasted Cost	Construction % Complete (as invoiced)
\$4,343,00	\$4,343,000 \$3,498,317 \$3,290,383		0,383	\$2,688,588		ç	\$434,061	16.14%	\$3,511,232	96.85%	
					Pro	ject Tin	nel	ine			
Phase:	Planning ———	<b>→</b>	Design -				->	Construction	ı ———		>
BOE Gate Check:	· · · · · · · · · · · · · · · · · · ·		Budge Approv		Contract Award	t				Closeout	
Key dates:	✓ Oct. 2018	□ N/2	-	✓ Jan. 20	20	✓ April 202	0				<b>□</b> Fall 2020

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# **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)



### Washington Technology Magnet: February 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 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

- All regulated materials have been exported from the site.
- Import of clean fill has been completed for providing a rough grade.
- The site is essentially flat, with no open excavation. Final grading will take place in the spring/summer of 2021 along with grass seeding and various other small tasks.

	February 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	\$6,248,492	\$4,521,822	\$3,904,046	\$1,371,178	35.12%	\$6,248,492	70.53%			

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

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## 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

# Washington Technology Magnet



Images from top to bottom: View from southeast corner of site; heavy equipment leaving site; stormwater management system ports roughed-in; play field rough graded (January)



## Window Replacements: February 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 all sites.

#### **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:** Contract has been signed with S & J Contracting and work is planned to begin early summer 2021.

February 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	\$1,063,690	\$991,100	\$39,449	3.98%	\$1,481,312	98.35%			

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					

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