

Massachusetts School Building Authority

Deborah B. Goldberg, State Treasurer and Receiver-General

James MacDonald
Chief Executive Officer

Chairperson

John K. McCarthy
Executive Director



MSBA Contractor Roundtable

December 5, 2018

www.MassSchoolBuildings.org



Bid Schedule Update

2018 ESTIMATED BID DATES

Note bid dates are Estimates ONLY. Please contact Districts for exact information.

11/21/18

District	School Type	Enrollment	Project Type	Project Budget	Start	Finish	Construction Budget	Notes	Nov '17	Dec '17	Jan '18	Feb '18	Mar '18	Apr '18	May '18	Jun '18	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Jan '19
Minuteman Reg. School District	HS	628	New	\$ 144.9	Mon 11/20/17	Mon 6/18/18	\$ 119.6	GMP targeted: June 2018	11/20														
									Minuteman Regional Voc. Tech. HS.														
Newton	ES	480	Add / Reno	\$ 49.0	Wed 11/29/17	Thu 6/21/18	\$ 36.8	GMP targeted: June 2018	11/29														
									Newton - Cabot Elementary School														
Millis	ES	515	New	\$ 52.8	Tue 1/9/18	Mon 4/2/18	\$ 42.7	GMP targeted: April 2018															
									Millis - Clyde Brown Elementary School														
Triton	ES	415	Reno	\$ 39.0	Thu 2/1/18	Mon 4/9/18	\$ 30.4	GMP targeted: April 2018															
									Triton Pine Grove Elementary School														
Blue Hills Regional Voc Tech	HS	900	Reno	\$ 84.9	Fri 3/30/18	Mon 7/30/18	\$ 70.7	GMP targeted: July 2018															
									Blue Hills RVTHS														
Somerville	HS	1590	Add / Reno	\$ 256.0	Thu 4/19/18	Fri 12/14/18	\$ 199.7	GMP targeted: December 2018															
									Somerville High School														
Braintree	MS	1180	Add / Reno	\$ 83.5	Tue 5/1/18	Wed 6/27/18	\$ 67.9	GMP targeted: June 2018															
									Braintree East Middle School														
Saugus	HS	1360	New	\$ 160.7	Wed 6/20/18	Fri 12/14/18	\$ 128.1	GMP targeted: December 2018															
									Saugus High School														
Marlborough	ES	610	New	\$ 56.4	Fri 8/31/18	Wed 10/24/18	\$ 47.8	NTP targeted: October 2018															
									Marlborough - Richer Elementary School														
Lexington	ES	645	New	\$ 65.3	Wed 9/12/18	Thu 12/13/18	\$ 53.1	GMP targeted: December 2018															
									Lexington - Maria Hastings Elementary School														
Cape Cod Regional Tech	HS	650	New	\$ 128.1	Mon 10/1/18	Tue 11/20/18	\$ 104.2	NTP targeted: November 2018															
									Cape Cod RTHS														
Total		8973		\$ 1,128.6			\$ 801.1																

Construction Manager at Risk Project ▬ CMR Project Pending Local Approval ▬ Filed Sub Bids ◆
 Design Bid Build Project ▬ DBB Project Pending Local Approval ▬ GC Bids/GMP Execution ◆

The project start date represents the Filed-Sub bid solicitation date, the gray diamond Filed-Sub bid date, and the black diamond GC Bids / GMP Execution.

Projects represented by a single black diamond have not completed a Schematic Design Submission.

Project Budget denotes total District costs, not the basis of the MSBA Total Facilities Grant. Projects without budget information have not received Project Scope and Budget approval. Note: Budget values are in millions.

2019 ESTIMATED BID DATES

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11/21/18

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									November	December	January	February	March	April	May	June	July	August	September	October
Taunton	New	735	ES	\$ 65.0	Wed 11/28/18	Wed 1/16/19	\$ 50.1	NTP targeted: January 2019	<p style="font-size: small;">Taunton - Mulcahey Elementary School 11/28 1/16 1/3</p>											
Middleborough	HS	720	New	\$ 103.5	Fri 12/14/18	Thu 1/31/19	\$ 83.6	NTP targeted: January 2019	<p style="font-size: small;">Middleborough High School 12/14 1/31 1/17</p>											
Natick	MS	1000	New	\$ 109.6	Thu 1/10/19	Fri 2/15/19	\$ 87.6	NTP targeted: February 2019	<p style="font-size: small;">Natick - JFK Middle School 1/10 2/15 2/8</p>											
Worcester	HS	1420	New	\$ 210.0	Wed 1/16/19	Fri 3/29/19	\$ 173.1	GMP targeted: March 2019	<p style="font-size: small;">Worcester South High Community School 1/16 3/29 3/6</p>											
Westport	MSHS	860	New	\$ 96.9	Wed 2/6/19	Thu 3/21/19	\$ 79.9	NTP targeted: March 2019	<p style="font-size: small;">Westport MSHS 2/6 3/21 3/6</p>											
Ludlow	ES	630	New	\$ 57.5	Fri 3/1/19	Wed 4/10/19	\$ 45.8	NTP targeted: April 2019	<p style="font-size: small;">Ludlow - Chapin Street School 3/1 4/10 3/28</p>											
Harvard	ES	445	New	\$ 53.6	Mon 4/8/19	Wed 6/5/19	\$ 43.2	GMP targeted: June 2019	<p style="font-size: small;">Harvard - Hildreth Elementary School 4/8 6/5 5/1</p>											
Boston	HS	500	New	\$ 124.8	Thu 5/2/19	Mon 7/1/19	\$ 96.5	GMP targeted: July 2019	<p style="font-size: small;">Boston Arts Academy 5/2 7/1 5/30</p>											
Springfield	ES	800	New	\$ 82.2	Thu 7/18/19	Thu 10/31/19	\$ 67.1	GMP targeted: October 2019	<p style="font-size: small;">Springfield - Brightwood Elementary School 7/18 10/31 9/19</p>											
Easthampton	ES	1010	New	\$ 109.2	Wed 7/31/19	Thu 9/26/19	\$ 90.1	NTP targeted: September 2019	<p style="font-size: small;">Easthampton - Maple Elementary School 7/31 9/26 9/11</p>											
Foxborough	ES	270	Add / Reno	\$ 34.7	Tue 8/6/19	Thu 10/3/19	\$ 27.1	NTP targeted: October 2019	<p style="font-size: small;">Foxborough - Mabelle M. Burell Elementary School 8/6 10/3 9/19</p>											
Fall River	HS	2570	New	\$ 263.5	Mon 8/12/19	Mon 10/7/19	\$ 218.1	GMP targeted: October 2019	<p style="font-size: small;">Fall River - BMC Durfee High School 8/12 10/7 8/30</p>											

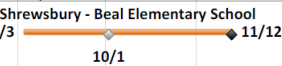
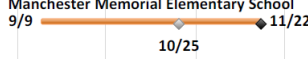
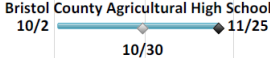
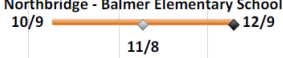
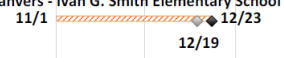
— Construction Manager at Risk Project
 — Design Bid Build Project
 CMR Project Pending Local Approval
 DBB Project Pending Local Approval
 ◆ Filed Sub Bids
 ◆ GC Bids/GMP Execution
 ◆ Projects represented by a single black diamond have not completed a Schematic Design Submission.







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11/21/18

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									November	December	January	February	March	April	May	June	July	August	September	October	November	December
Shrewsbury	ES	790	New	\$ 92.8	Tue 9/3/19	Tue 11/12/19	\$ 74.4	GMP targeted: November 2019										Shrewsbury - Beal Elementary School 9/3 				
Manchester - Essex	ES	335	New	\$ 52.2	Mon 9/9/19	Fri 11/22/19	\$ 41.3	GMP targeted: November 2019										Manchester Memorial Elementary School 9/9 				
Bristol County	HS	640	Add / Reno	\$ 103.8	Wed 10/2/19	Mon 11/25/19	\$ 84.1	NTP targeted: November 2019										Bristol County Agricultural High School 10/2 				
Northbridge	ES	1030	New	\$ 101.0	Wed 10/9/19	Mon 12/9/19	\$ 79.7	GMP targeted: December 2019										Northbridge - Balmer Elementary School 10/9 				
Danvers	ES	465	New		Fri 11/1/19	Mon 12/23/19		GMP targeted: December 2019										Danvers - Ivan G. Smith Elementary School 11/1 				
Total		14220		\$ 1,660.0			\$ 1,341.5															

Construction Manager at Risk Project  CMR Project Pending Local Approval  Filed Sub Bids 
 Design Bid Build Project  DBB Project Pending Local Approval  GC Bids/GMP Execution 

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2020 ESTIMATED BID DATES

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11/21/18

District	School Type	Enrollment	Project Type	Project Budget	Start	Finish	Construction Budget	Notes	Sep '19	Oct '19	Nov '19	Dec '19	Jan '20	Feb '20	Mar '20	Apr '20	May '20	Jun '20	Jul '20	Aug '20	Sep '20	Oct '20	Nov '20	Dec '20								
Attleboro	HS	1725	New	\$ 259.9	Wed 10/9/19	Sun 3/1/20	\$ 223.4	GMP targeted: March 2020	Attleboro High School 10/9 — 11/1 — 3/1																							
Framingham	MS	630	New	\$ 98.3	Fri 11/15/19	Mon 2/17/20	\$ 78.3	GMP targeted: February 2020	Framingham - Fuller Middle School 11/15 — 12/6 — 2/17																							
Belmont	HS	2215	New	\$ 295.2	Tue 12/17/19	Thu 3/12/20	\$ 237.1	GMP targeted: March 2020	Belmont High School 12/17 — 1/13 — 3/12																							
Wareham	ES	1020	New		Thu 12/19/19	Wed 1/29/20		NTP targeted: January 2020	Wareham - Minot Forest Elementary School 12/19 — 1/15 — 1/29																							
Westborough	ES	400	New		Fri 1/10/20	Fri 1/10/20		NTP targeted: January 2020	Westborough - Annie E. Fales Elementary School 1/10																							
Dennis - Yarmouth	MS	940	New		Thu 1/16/20	Wed 2/19/20		NTP targeted: January 2020	Dennis-Yarmouth - Mattachease Middle School 1/16 — 2/12 — 2/19																							
Pentucket	HS	965	New		Mon 4/27/20	Mon 4/27/20		NTP targeted: April 2020	Pentucket Regional High School 4/27																							
West Springfield	ES	585	New		Fri 7/10/20	Fri 7/10/20		NTP targeted: July 2020	West Springfield - Philip G. Coburn Elementary School 7/10																							
Tewksbury	ES	790	New		Tue 8/11/20	Tue 8/11/20		GMP targeted: August 2020	Tewksbury - Louise Davy Trahan Elementary School 8/11																							
Central Berkshire	HS	460	New		Tue 8/25/20	Tue 8/25/20		NTP targeted: August 2020	Central Berkshire - Wachonah Regional High School 8/25																							
Marblehead	ES	450	New		Thu 9/24/20	Thu 9/24/20		GMP targeted: September 2020	Marblehead - Elbridge Gerry Elementary School 9/24																							
Weymouth	MS	1470	Add / Reno		Thu 10/15/20	Thu 10/15/20		GMP targeted: October 2020	Weymouth - Maria Weston Chapman Middle School 10/15																							
Total		11650		\$ 653.4			\$ 538.9																									

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2021 ESTIMATED BID DATES

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11/21/18

District	School Type	Enrollment	Project Type	Project Budget	Start	Finish	Construction Budget	Notes	Jan '21	Feb '21	Mar '21	Apr '21	May '21	Jun '21	Jul '21	Aug '21	Sep '21	Oct '21	Nov '21	Dec '21
									Holyoke	MS	1100	New		Tue 2/9/21	Tue 2/9/21		GMP targeted: February 2021	Holyoke - H.B. Lawrence School ◆ 2/9		
Arlington	HS	1755	New		Wed 3/31/21	Wed 3/31/21		GMP targeted: March 2021			Arlington High School ◆ 3/31									
Lowell	HS	3520	Add / Reno		Fri 7/30/21	Fri 7/30/21		GMP targeted: July 2021							Lowell High School ◆ 7/30					
Total		6375																		

Construction Manager at Risk Project  CMR Project Pending Local Approval  Filed Sub Bids 
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Massachusetts School Building Authority

Funding Affordable, Sustainable, and Efficient Schools in Partnership with Local Communities

- Citizens
- Investors
- Legislators
- Districts
- Press
- Construction

- About Us
- Working With Us
- Building With Us**
- Policies, Forms & Guidelines
- Our Programs & Initiatives
- Your School
- News & Events
- Public Records Requests
- Employment Opportunities

Building With Us (Home Page)

Educational Facility Planning
Furniture, Fixtures, and Equipment
Cost Saving Initiatives and Other Resources

Capital Planning Information:
Project Information

Capital Planning Information: Cost
Data

Board Meetings & Submittal Dates

2018 Statements of Interest

2017 Statements of Interest
Summary

Eligibility Period - Module 1

Maintenance and Capital Planning
MSBA Enrollment Methodology

Forming the Project Team - Module 2

Owner's Project Manager Process
Designer Selection Process

Feasibility Study - Module 3

Schematic Design - Module 4

Funding the Project - Module 5

Project Scope & Budget Agreement
Project Funding Agreement
Reimbursements (Pro-Pay)

Detailed Design - Module 6

Commissioning

Construction - Module 7

Completing the Project - Module 8

Payments

Project Advisories

Our Mission: Partner with Massachusetts communities to support the design and construction of educationally-appropriate, flexible, sustainable, and cost-effective public school facilities.



...ents of Interest
...or Statement of Interest
... MSBA Designer Selection Panel Meeting -
Tuesday, November 20, 2018 at 8:30 AM
... MORE



Massachusetts School Building Authority

Funding Affordable, Sustainable, and Efficient Schools in Partnership with Local Communities

- About Us
- Working With Us
- Building With Us**
- Policies, Forms & Guidelines
- Our Programs & Initiatives
- Your School
- News & Events
- Public Records Requests
- Employment Opportunities



- :: Enrollment Projection
- :: Maintenance and Capital Planning
- :: OPM Report

Capital Planning Data & Information: Project Information

The MSBA has prepared the following information to gauge and track the progress of SOIs that have been invited into the MSBA's Capital Pipeline:

Project Information:

Capital Planning Overview Report

[Capital Planning Project Overview Report](#) [PDF] The Project Overview Report presents status and recent activities of projects in the Capital Pipeline. The Project Overview Report serves as an update on the status of all projects in all phases and programs of the Capital Pipeline, from Eligibility Period to Final Audit Approved. This report is updated for each Board Meeting and includes the Project Status List, Estimated Bid Schedule, and Construction Status Report. These documents were last updated for the October 31, 2018 Board Meeting. Any questions about this report should be directed to [Peter Falk](#).

Capital Pipeline Status Chart

[Capital Pipeline Status Chart](#) [PDF] The Capital Pipeline Status Chart provides the status of SOIs categorized in the MSBA's Capital Pipeline, as reported following the October 31, 2018 Board of Directors meeting.

Estimated Bid Schedule

[Estimated Bid Schedule](#) [PDF] This schedule provides information regarding completed and upcoming bid packages for 2018, 2019 and 2020. The information contained in the chart was updated for the October 31, 2018 Board Meeting. The dates included in the chart are estimates only and reviewers should contact the District for the most current information.

Consultant/Contractor Status Report

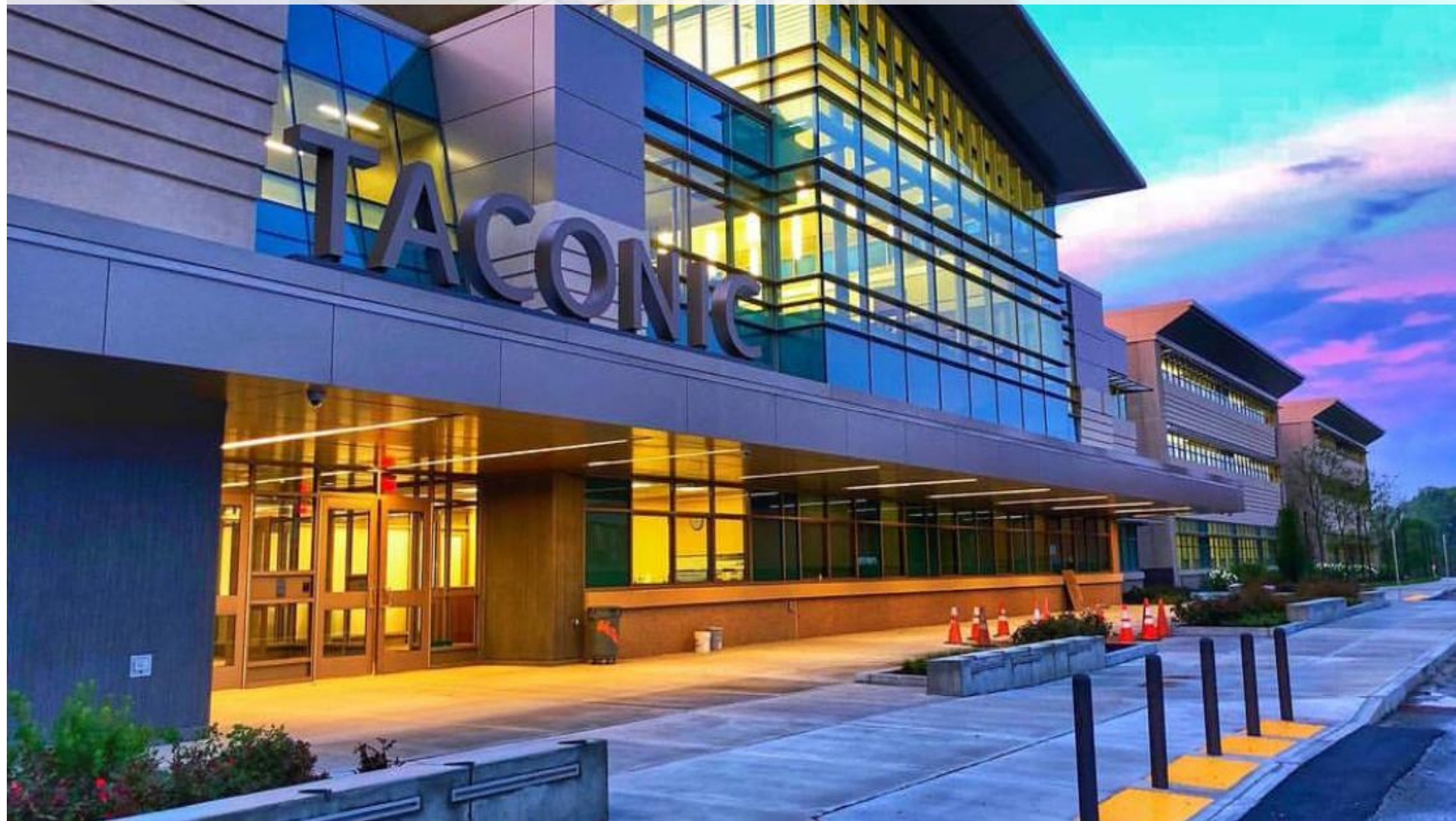
Building With Us (Home Page)

- > Educational Facility Planning
- > Furniture, Fixtures, and Equipment: Cost Saving Initiatives and Other Resources
- > Capital Planning Information: Project Information
- > Capital Planning Information: Cost Data
- > Board Meetings & Submittal Dates

Design and Construction of Vocational Spaces

Taconic High School

Pittsfield, Massachusetts



Project Teams / Presenters

SKANSKA

Dale Caldwell & John Benzinger



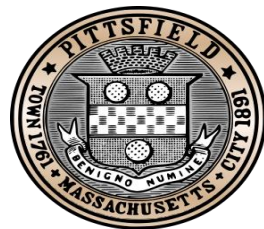
Carl Franceschi & Vladimir Lyubetsky



Andrew Prochniak & Dave DeForest



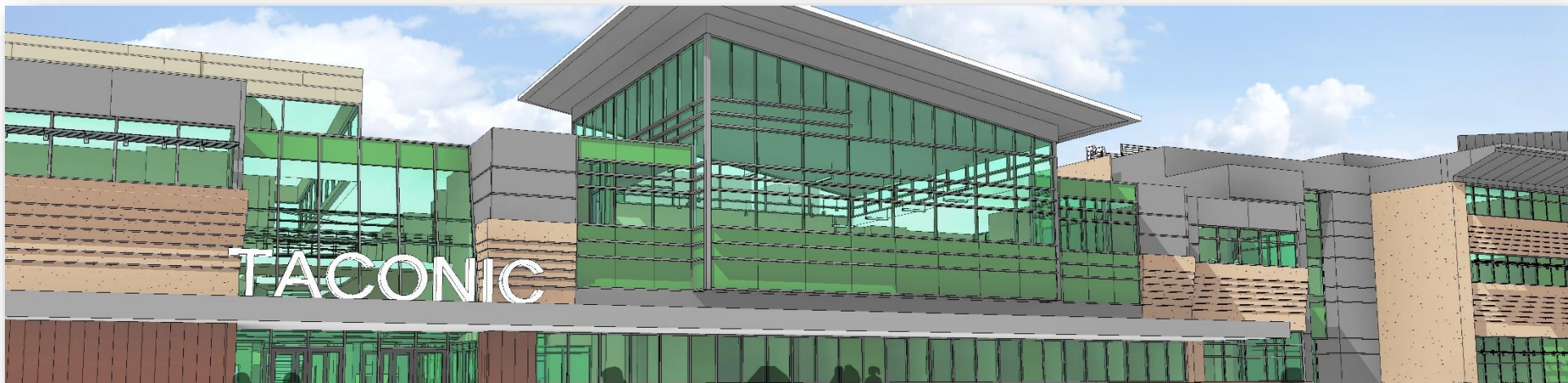
Dave Edmonds



Dr. Jason McCandless (Supt.)

Project Overview

- **Comprehensive High School**
- **Size:** 246,520 SF
- **Student Enrollment:** 920
- **Project Budget:** \$120.8 M
- **Construction Duration:** May 2016 – September 2018

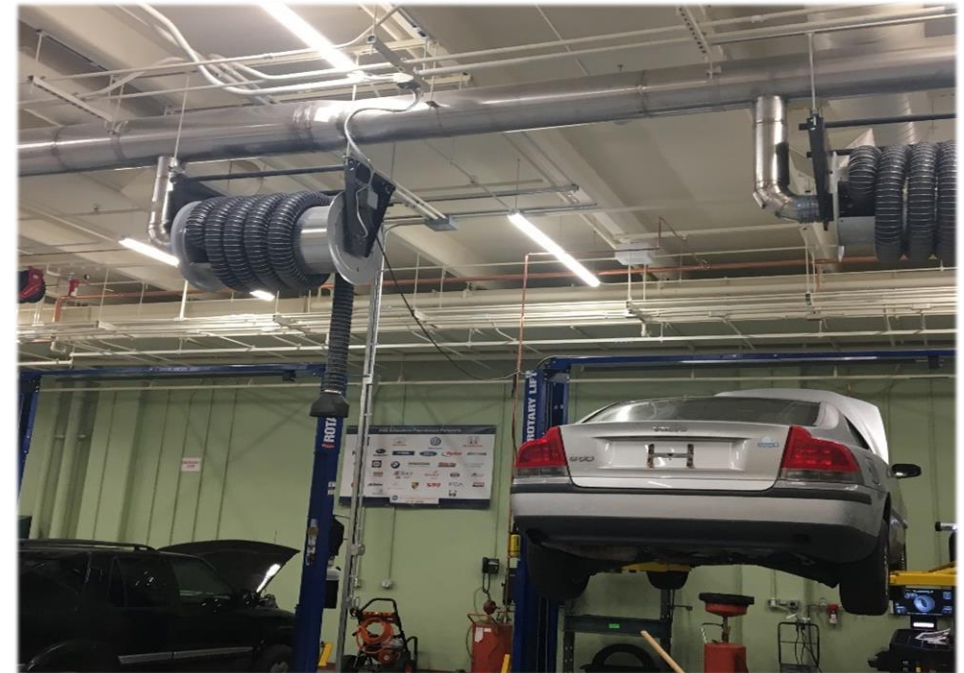


Vocational Programs

Carpentry



Automotive Technology



Vocational Programs

Automotive Refinishing



Advanced Manufacturing and Machine Technology



Vocational Programs

Metal Fabrications



Electrical



Vocational Programs

Health and Medical Assisting



Cosmetology



Vocational Programs

Culinary Arts



Horticulture



Vocational Programs

Early Education and Care



Design Phase

- The importance of Programming – Early Equipment Selection and Layout
- Safety Plans at 60% Construction Documents for Review by DESE/ Ch. 74
- Scope Definition: Construction vs. FF&E
- Utility Coordination
- Coordination & Phasing of Existing Equipment Relocation
- Coordination of the Equipment Requirements during Construction due to FF&E Purchasing Timing

Construction Phase

- Early MEP Coordination between all New and Used/Recollected Equipment with all MEP Requirements
- Utilization of Equipment Matrix, Based on Design and Specific Equipment Cuts
- Dedicated Project Manager/MEP Coordinator during Coordination/Installation and Connection of Equipment
- Early Safety Requirements for all Equipment
- Early Investigation of Shop Space Acoustics
- Early Coordination of Below Grade Construction for Shop Equipment
- Early DESE visits to Coordinate any Specific Requirements

What Makes a Safe School?



Opening a vocational shop

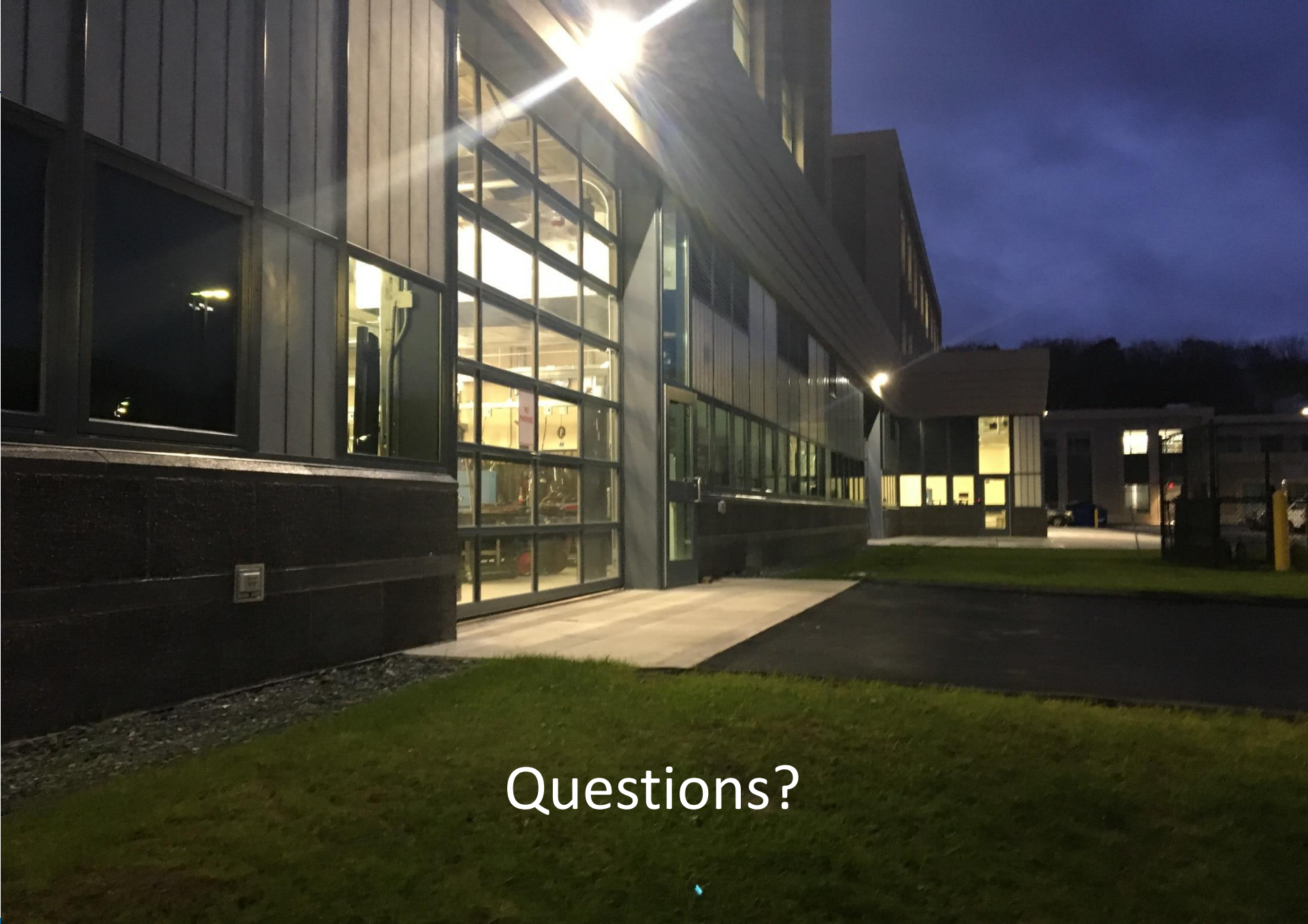
Some typical items to double check

- Appropriate and visible signage throughout shop
- Safety data sheet holders and signs
- First aid kit holders and signs
- Emergency power shut off signs
- Fire Blankets with signs stating “Stop, Drop and Roll”
- No parking sign on all overhead doors
- Line painting on the floor in front of electrical panels
- Flammable cabinet installed as needed and verified by local fire department
- Confirm shops are fully accessible

Opening a vocational shop

Some typical items to double check

- Overhead doors must be tested, check the auto stop
- No Parking Signs placed on exterior of overhead door
- Dust collectors certified for decibel level
- Overhead gantry crane certified for safety
- Chain across ladder on mezzanine with sign “No Storage”
- Shelves (no wheels) and bookcases must be lagged together and to wall
- Check ECC playground perimeter to prevent fall hazards, remove openings too large, and do not use rocks/gravel to avoid possible choking hazard



Questions?