

Massachusetts School Building Authority

Deborah B. Goldberg
Chairman, State Treasurer

John K. McCarthy
Executive Director



Designer Selection Panel

Life of an MSBA Project



MSBA Mission

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



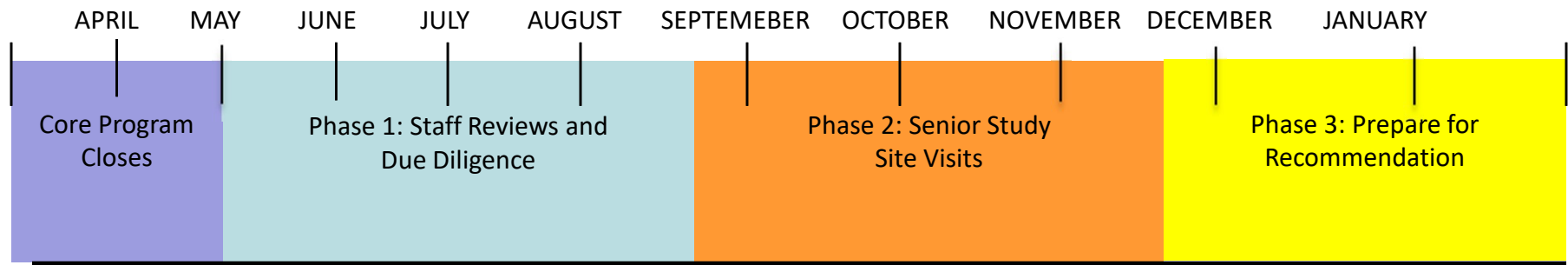
To respond to the impact of the ongoing coronavirus (COVID-19) pandemic, the MSBA office has been temporarily closed since March 17, 2020 until further notice. However, the MSBA remains committed to our partnership with districts and we continue to accept reimbursement requests, contracts and other documents electronically so we can continue to support project approvals and reimburse districts throughout this pandemic. For more information, [click here](#).

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



Accessing the MSBA Grant Program

Statement of Interest Core Program

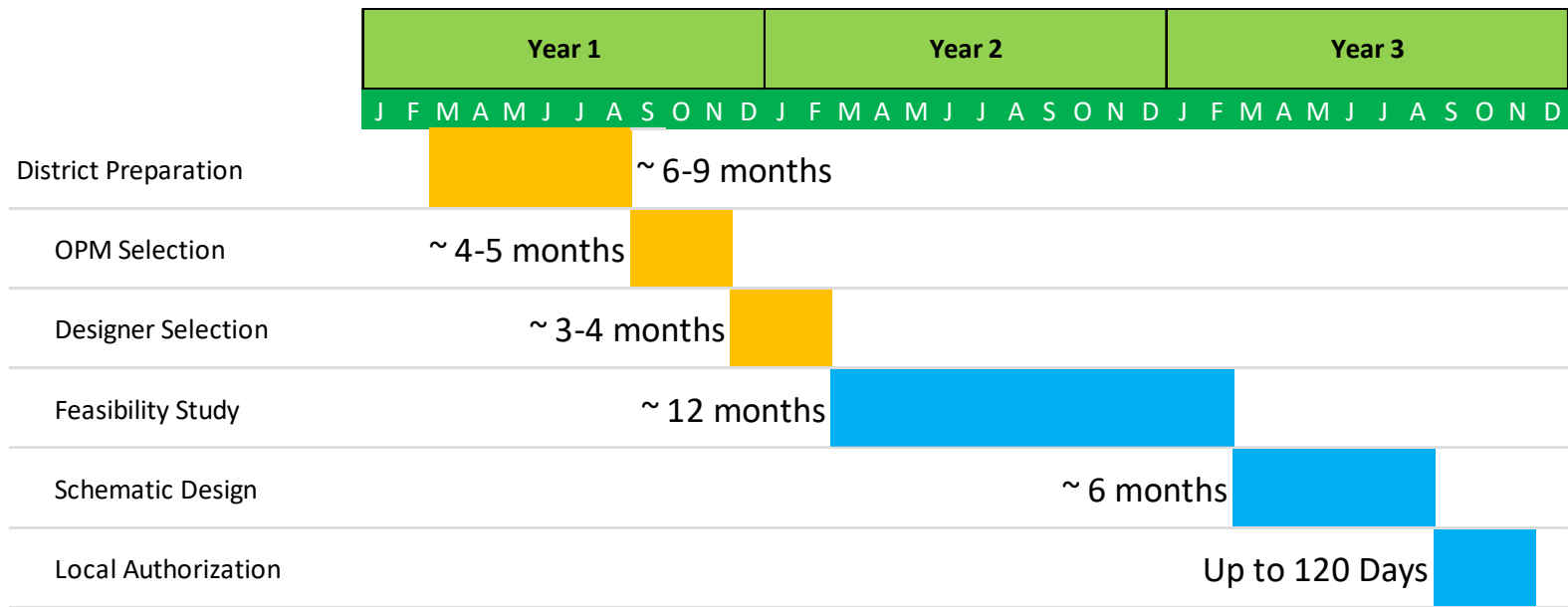


- **Recent Experience**

- 70 SOIs from 56 districts
- 12 Invited (One withdrew its application)
- 9 Selected Designers through the DSP

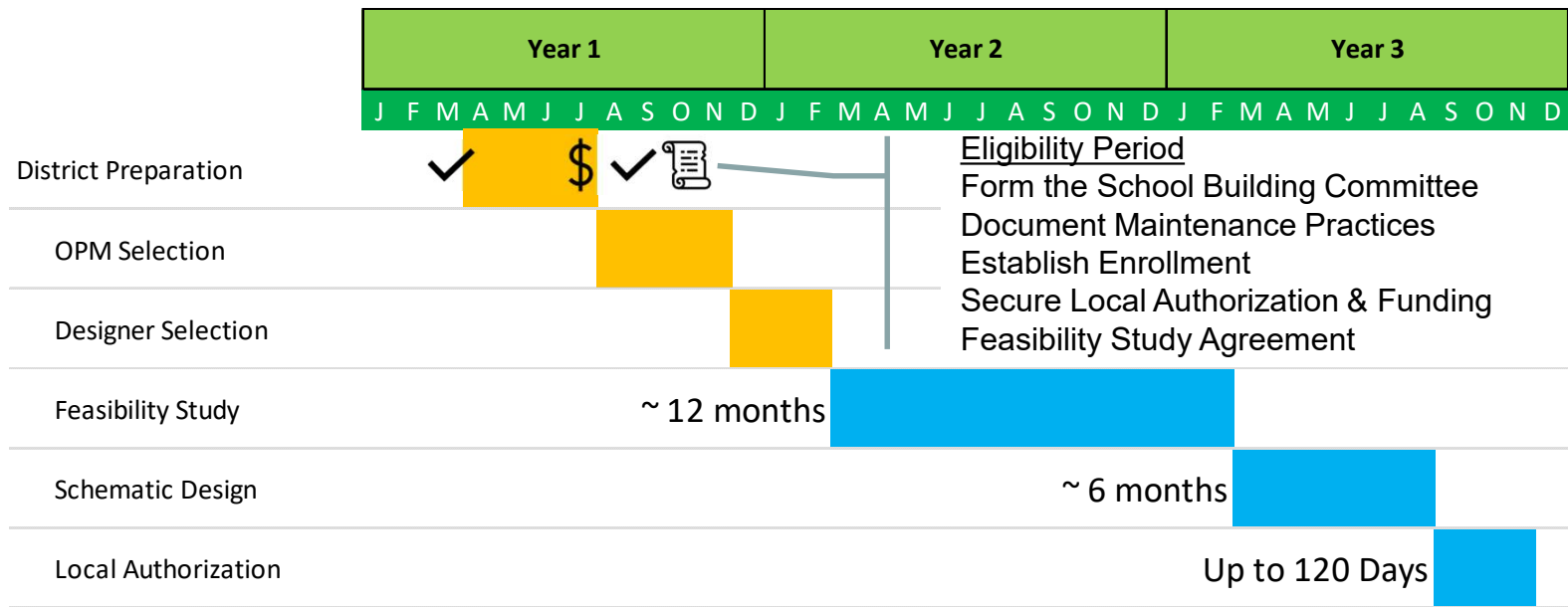


MSBA Feasibility & Schematic Design Process



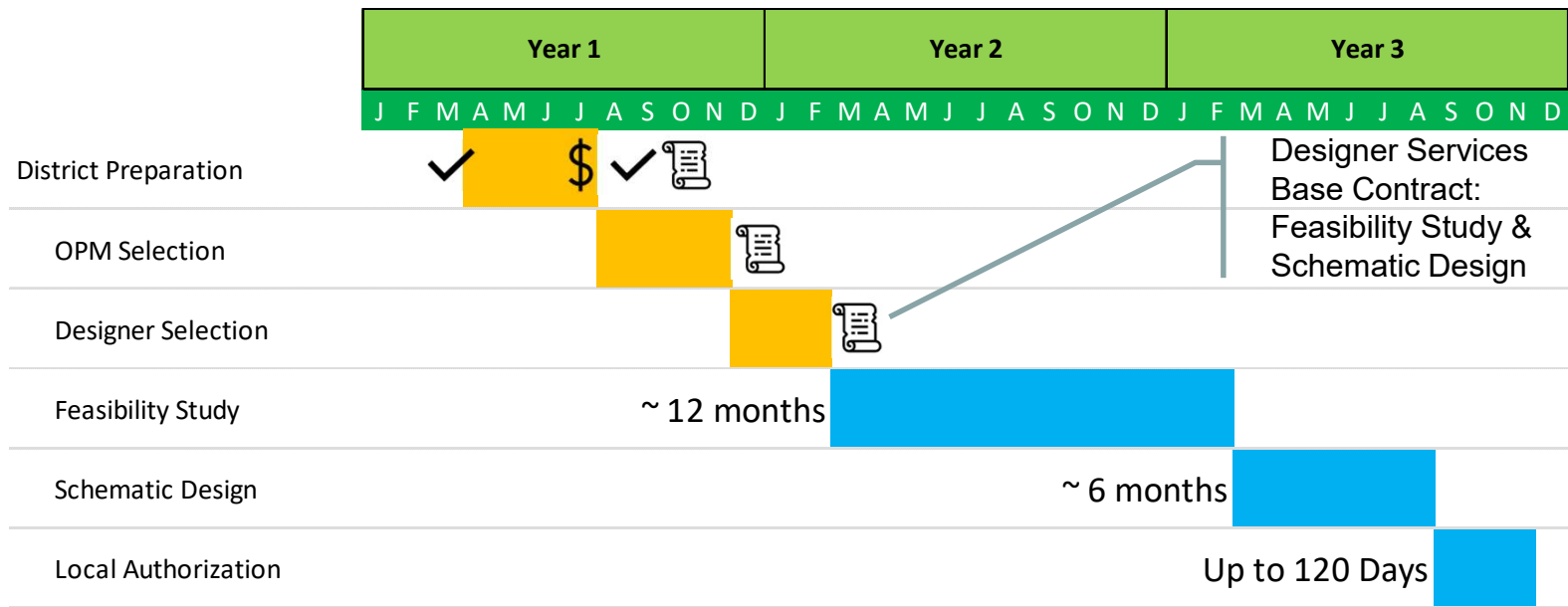


MSBA Feasibility & Schematic Design Process



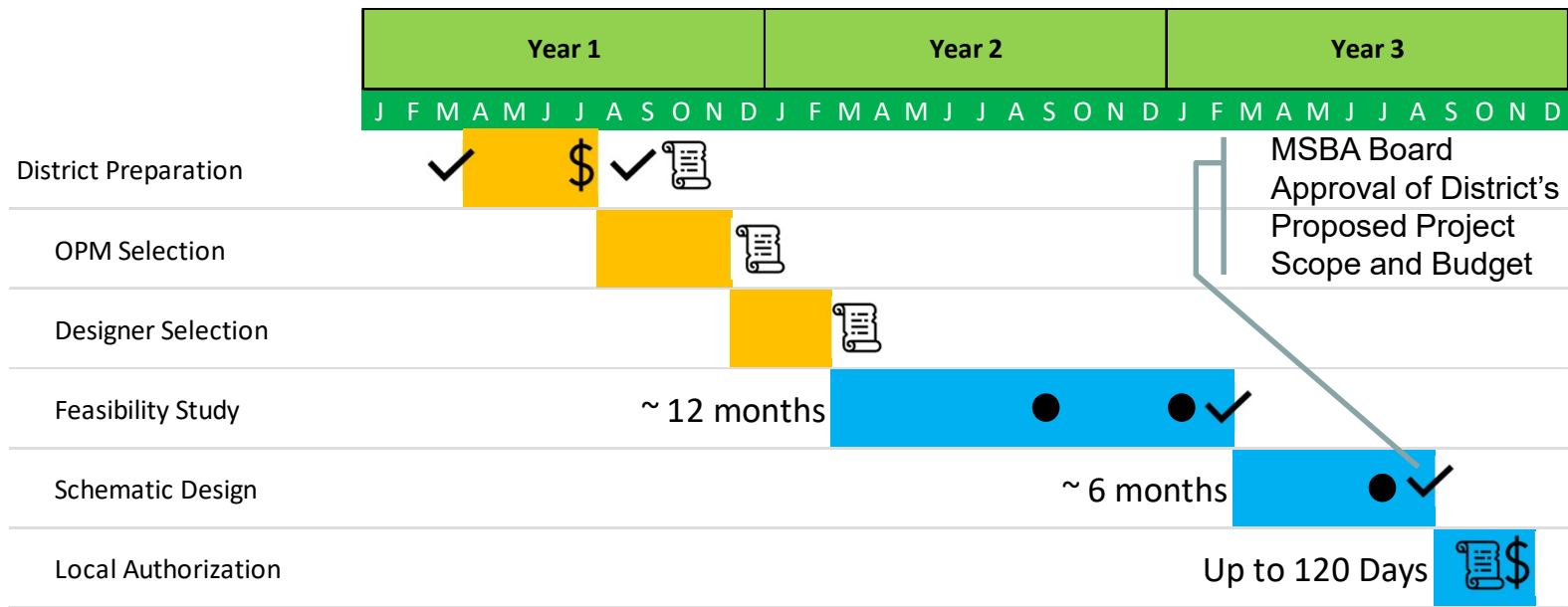


MSBA Feasibility & Schematic Design Process



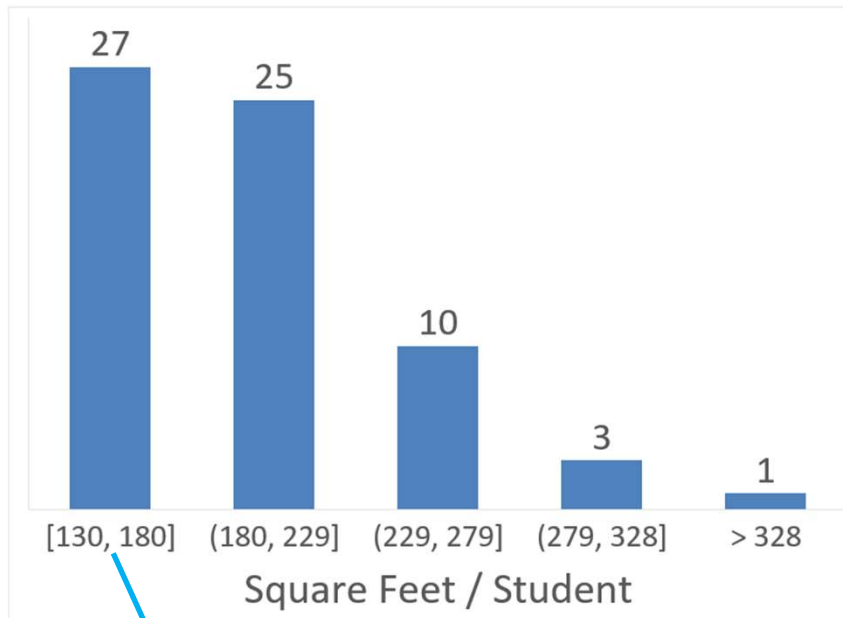


MSBA Feasibility & Schematic Design Process

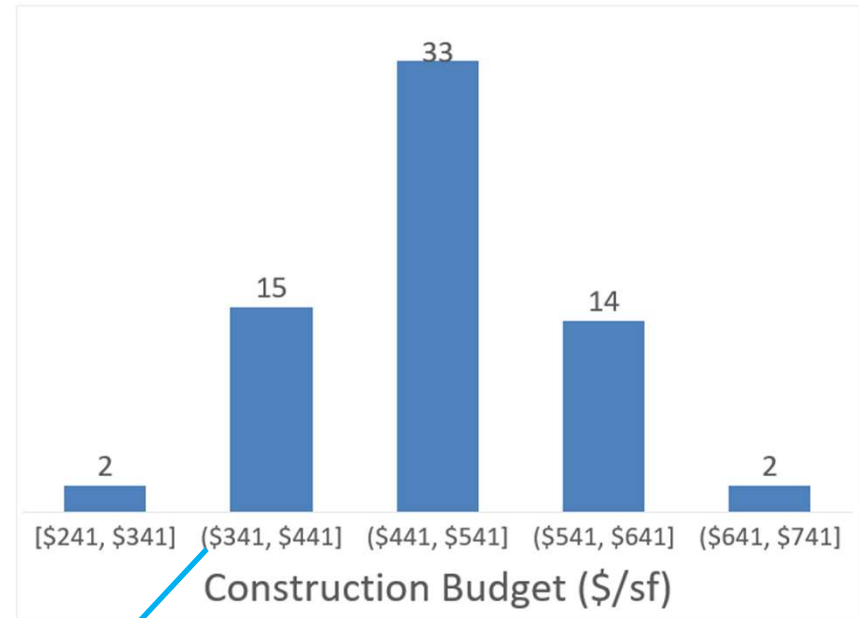




What Impacts Community Support



27 buildings are between 130 sf and 180 sf per student



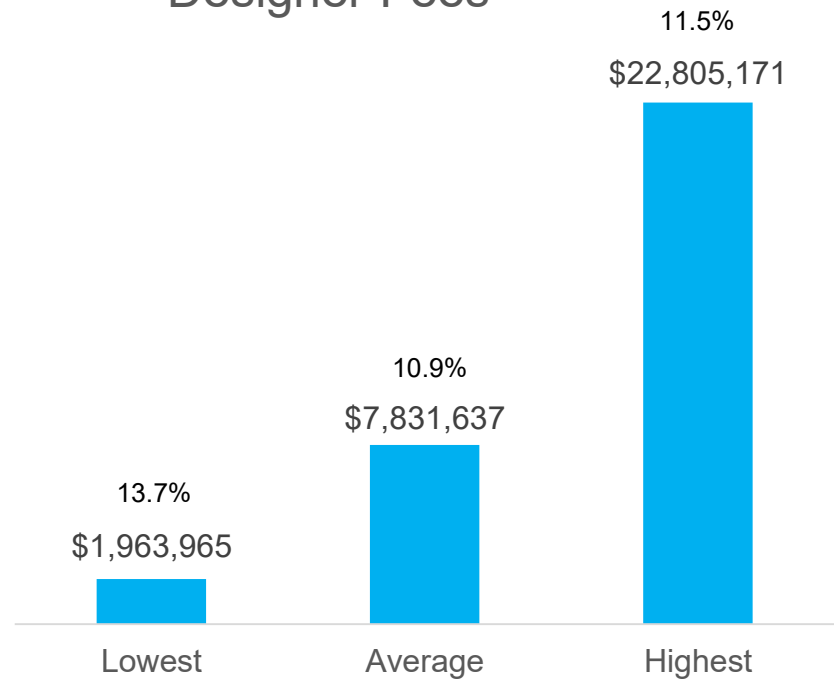
15 buildings are between \$341/sf and \$441/sf



Why all the Work?

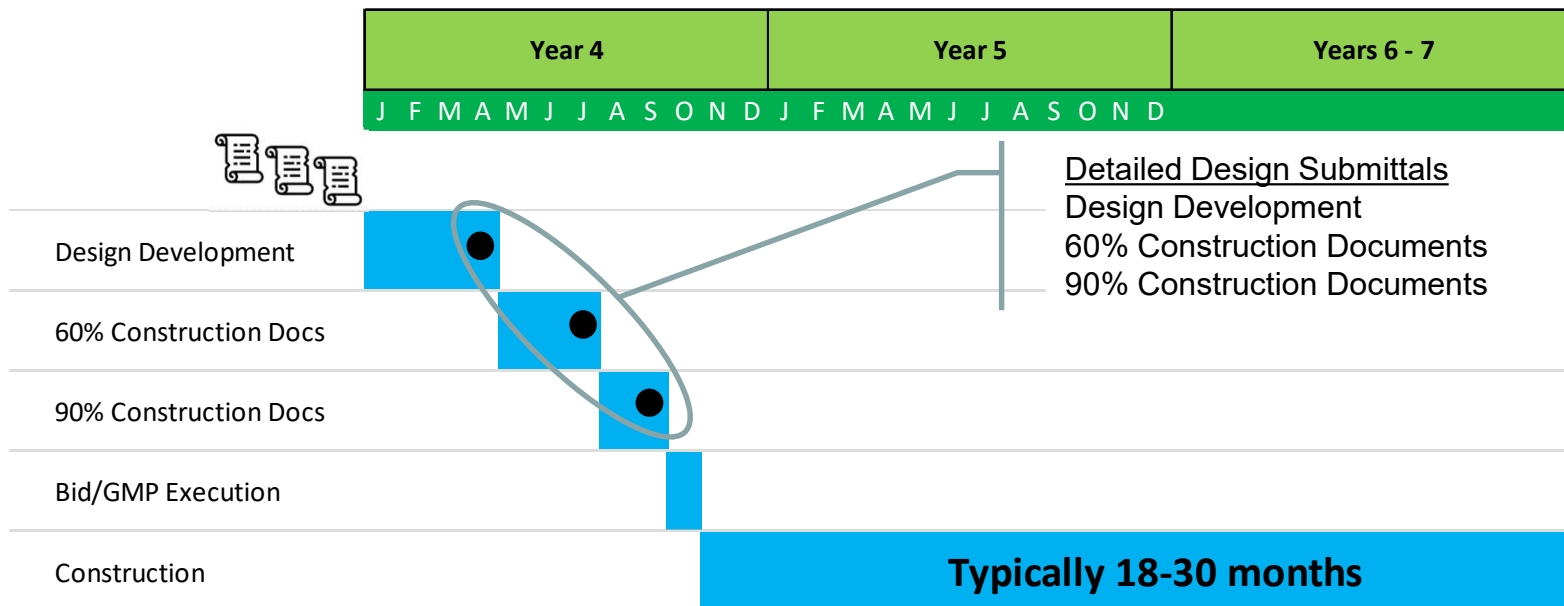
>90%

Designer Fees



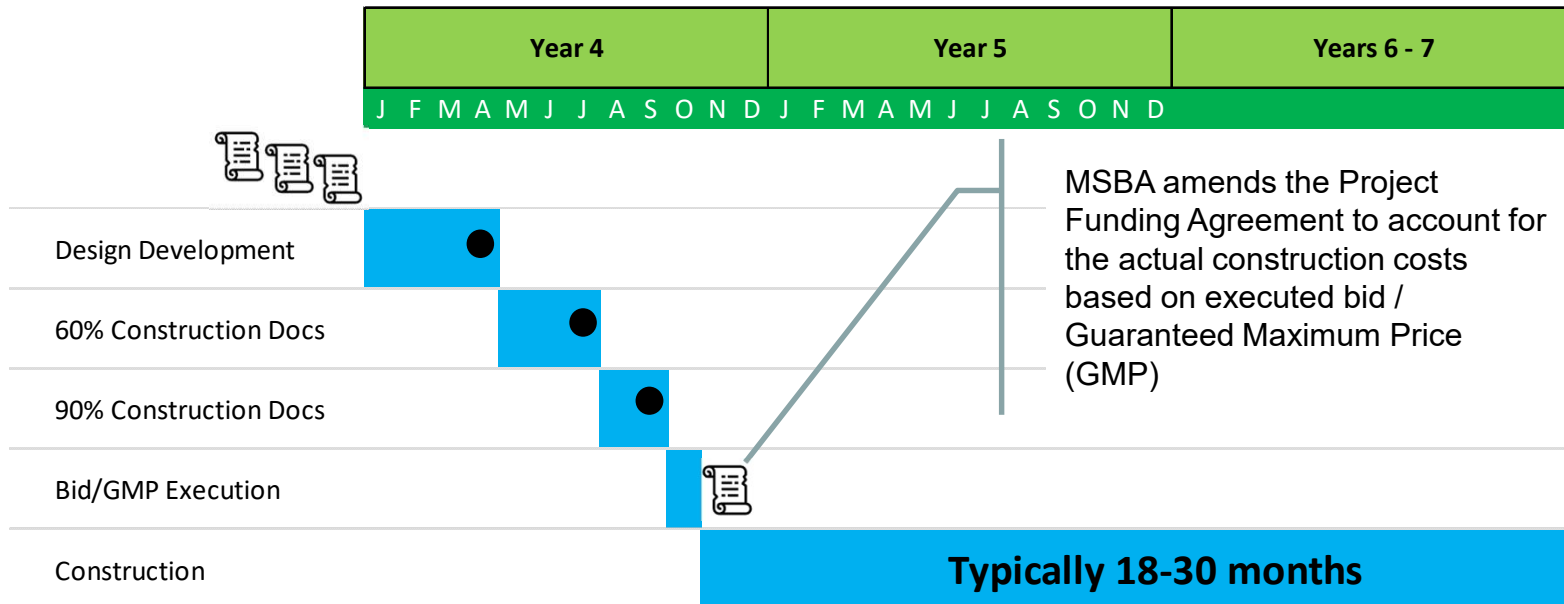


MSBA Design & Construction Process





MSBA Design & Construction Process





Completing the Project

- MSBA holds back 5% of the estimated grant
- Completes a Final Audit of the Project that is approved by the Board of Directors
- MSBA is in the early phases of implementing a post occupancy review program



Publicly Available Cost Data

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*** MSBA APPLICATIONS**

- :: Enrollment Projection
- :: Maintenance and Capital Planning
- :: OPM Report
- :: Pro-Pay Reimbursements

*** YOUR STATEMENT OF INTEREST**

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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 February 11, 2021 Board Meeting. Any questions about this report should be directed to Patrick DeAngelo.

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 February 11, 2021 Board of Directors meeting.

Estimated Bid Schedule

[Estimated Bid Schedule](#) [PDF] This schedule provides information regarding completed and upcoming bid packages for 2021, 2022, and 2023. The information contained in the chart was updated for the February 11, 2021 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

[Consultant/Contractor Status](#) [PDF] This chart provides information regarding the District, prioritized school, SOI status, OPM (if selected), Designer (if selected), Commissioning Agent (if selected), Construction Procurement Status, and the CM-at-Risk form or General Contractor (if available). The information contained in the chart was updated for the February 11, 2021 Board Meeting. *Please note that all of the information has not been provided for some of the districts in the "audit" and "complete" status categories.*

MSBA Bid Map

[Upcoming MSBA Bids](#) This interactive map shows the location, projected construction budget, and year in which Filed Sub Bidding is scheduled to occur for all MSBA projects that have been approved for Preferred Schematic Design.

Building With Us (Home Page)

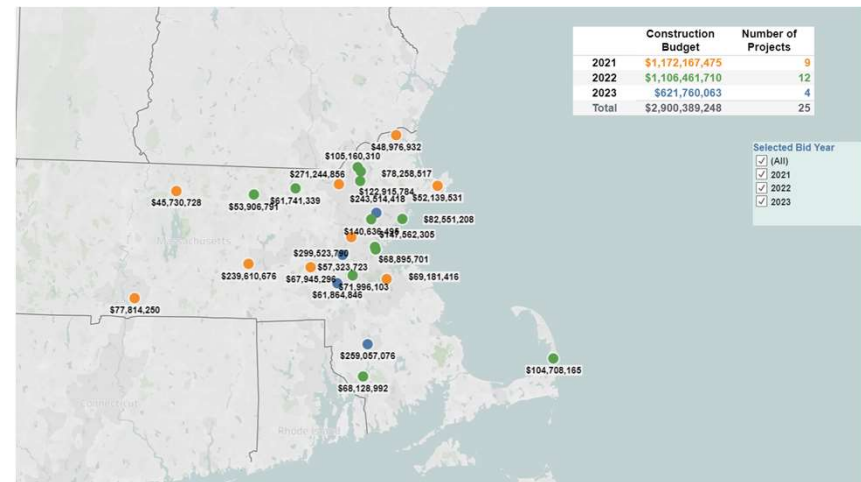
- ▶ Educational Facility Planning
- ▶ Operation, Maintenance, and Training
- ▶ Furniture, Fixtures, and Equipment: Cost/Product Data and Other Resources
- ▶ Capital Planning Information: Project Information
- ▶ Capital Planning Information: Cost Data
- ▶ Board Meetings & Submittal Dates



Publicly Available Cost Data

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 - (D) Construction Status Report





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YOUR STATEMENT OF INTEREST

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Capital Planning Data & Information: Cost Data

The MSBA has compiled the following information to provide general cost data for MSBA-funded school projects which have reached the design and construction phases. The data is intended for informational purposes only. The data may have changed since its publication as a result of contract amendments or other project variations.

Cost Data:

School Construction Costs Chart

This chart includes construction costs for new construction projects as bid from FY 06 through FY 17, as well as construction cost estimates at preferred schematic and at schematic design for projects recently approved by the Board and expected to bid in FY 18 and FY 19. Additionally, the chart provides an inset with a closer look comparing the schematic design estimates to the bids received for FY 16, FY 17 and the first quarter of FY 18. Common economic indicators are included at the bottom of the chart.

[School Construction Costs Chart](#)

Designer and OPM Fees at Schematic Design

Current Data	Historical Data
<p>These spreadsheets provide information regarding architectural/engineering fees and owner's project manager fees at Schematic Design for various school types (Elementary, Middle, Middle/High, and High Schools) whose estimated construction start date is January 2014 or later.</p> <ul style="list-style-type: none">Elementary SchoolsMiddle SchoolsMiddle/High SchoolsHigh SchoolsRepairSummary	<p>This spreadsheet provides information regarding architectural/engineering fees and owner's project manager fees at Schematic Design for various school types (Elementary, Middle, Middle/High, and High Schools) whose estimated construction start date is prior to January 2014.</p> <ul style="list-style-type: none">Designer and OPM Fees - Historical

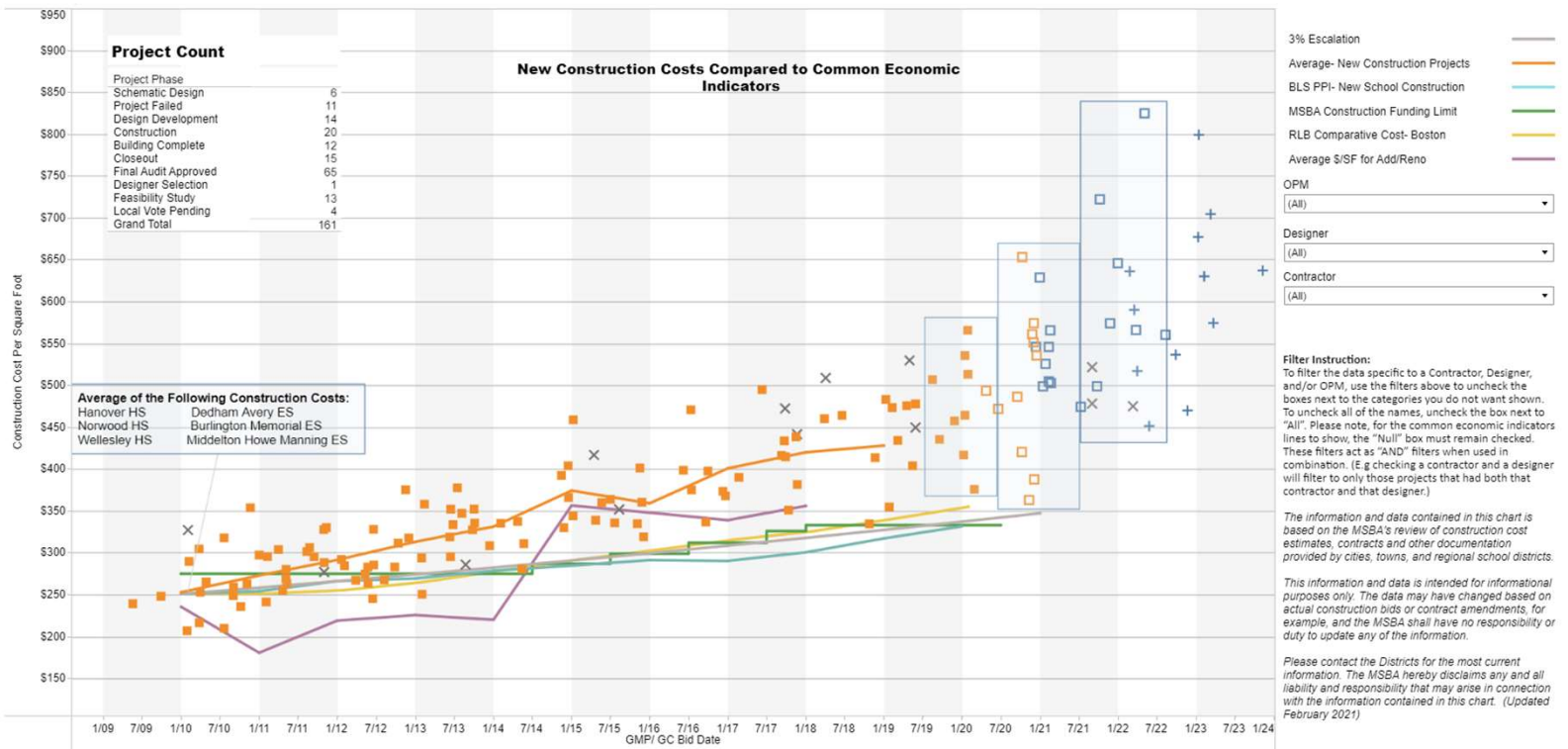
Estimated Construction & Total Project Cost Data at Schematic Design

Current Data	Historical Data
<p>These spreadsheets provide information regarding estimated construction & total project cost data at Schematic Design for various school types (Elementary, Middle, Middle/High, and High Schools) for projects whose estimated construction start date is January 2014 or later.</p> <ul style="list-style-type: none">Elementary SchoolsMiddle SchoolsMiddle/High SchoolsHigh SchoolsRepairSummary	<p>This spreadsheet provides information regarding estimated construction & total project cost data at Schematic Design for various school types (Elementary, Middle, Middle/High, and High Schools) for projects whose estimated construction start date is prior to January 2014.</p> <ul style="list-style-type: none">Estimated Construction & Total Project Cost Data at Schematic Design - Historical Data

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Publicly Available Cost Data





Publicly Available Cost Data

Date Board Approved	Mar-15	
District	Worcester	
School Name	Nelson Place	
Enrollment	600	
Project Type	Core Program	
Project Scope	New Construction	
Designer	Lamoureux Pagano & Associates, Inc.	
OPM	Tishman Construction Corporation of MA	
General Contractor	Fontaine Brothers, Inc.	
DBB or CMR	CMR	
GC Bids Received or GMP Executed	06/06/16	
GSF	111,256	
Description	Bid Data	
	Total Cost	Unit Cost
General Requirements Subgroup		
1 General Requirements	\$3,185,751	\$29
GMP - Fee	\$1,057,500	\$10
GMP - Insurance	\$641,529	\$6
GMP - Contingency	\$1,000,000	\$9
Facilities Construction Subgroup		
2 Existing Conditions	\$1,200,000	\$11
3 Concrete	\$2,714,713	\$24
4 Masonry	\$1,452,555	\$13
5 Metals	\$2,666,250	\$24
6 Wood, Plastics and Composites	\$502,003	\$5
7 Thermal and Moisture Protection	\$2,398,250	\$22
8 Openings	\$1,727,316	\$16
9 Finishes	\$4,767,482	\$43
10 Specialties	\$343,303	\$3

10 Specialties	\$343,303
11 Equipment	\$653,567
12 Furnishings	\$566,564
13 Special Construction	
14 Conveying Systems	\$220,000
Facilities Services Subgroup	
21 Fire Suppression	\$357,900
22 Plumbing	\$1,476,850
23 HVAC	\$2,887,000
25 Integrated Automation	
26 Electrical	\$4,726,586
27 Communications	
28 Electronic Safety and Security	
Site and Infrastructure Subgroup	
31 Earthwork	\$9,174,246
32 Exterior Improvements	\$514,658
33 Utilities	
Total Construction Cost	\$44,234,023
\$/GSF	\$398
CMR Preconstruction Services	\$108,650
Total Cost (with Precon. Services)	\$44,342,673
Total Cost - Alternates	
Total Cost (with Alternates)	\$44,234,023
Building Cost (Div3 thru 28)	
	\$27,460,339
Mark-up Cost (Section 1)	\$5,884,780
GMP Contingency as % of Total Con Cost	2.26%



More to Come....
