

Massachusetts School Building Authority

Steven Grossman
Chairman, State Treasurer

John K. McCarthy
Executive Director

Contractor Roundtable Discussion



March 26, 2013

www.MassSchoolBuildings.org



Agenda Items:

- MSBA Forecast of 2013
- Standard Schedule of Values
- Change Orders
- MSBA Site Visits

Where To Find Information

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Massachusetts School Building Authority

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

About Us ▶

Building With Us ▶

Policies & Guidelines ▶

Our Programs & Initiatives ▶

Your School ▶

News & Events ▶

* MSBA APPLICATIONS

- :: Enrollment Projection
- :: Maintenance and Capital Planning
- :: OPM Report
- :: Pro-Pay Reimbursements
- :: 2013 Statements of Interest

* YOUR STATEMENT OF INTEREST

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\$15 BILLION
AUDITED

The MSBA has diligently audited project costs of \$15 billion.

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



2013 Statement of Interest Submittal Period

Your School

What MSBA-supported projects are underway in your district? Learn the latest news, as well as helpful information about every public school in Massachusetts, through our "Your Schools" online database.

Eligibility Period

To further maximize resources, the MSBA is formalizing and streamlining the beginning of its grant process with the establishment of an [Eligibility Period](#), which will result in several benefits to the District and the MSBA.

[READ MORE](#) ▶

2013 SOIs

Our FY2013 Statement of Interest ("SOI") submittal period will be open from Wednesday, January 9, 2013 through Wednesday, April 10, 2013. [Learn more](#) ▶

Our GIS

Our [Geographic Information System](#) (GIS) is a comprehensive mapping tool used to view MSBA projects across the Commonwealth. Through this system, you can view individual district project information as well as projects by type (e.g., New Construction, Repair, Model School).

News & Events

MSBA Announces 7th Annual "My Ideal School" Contest

[MORE](#)

MSBA Presentation to Massachusetts Association of School Business Officials

[MORE](#)

MSBA Presentation to Associated Builders and Contractors Breakfast

[MORE](#)

January 30, 2013 Board Meeting Press Releases

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2013 - The Year Ahead

Eligibility Period

- 15 projects in Eligibility Period

Capital Pipeline – 306 Projects

- 4 projects in Local Clearance
- 16 projects in Consultant Selection
- 33 projects in Feasibility Study/Schematic Design
- 47 projects in Design Development
- 98 Projects in Construction
- 100 Projects in Closeout or Complete
- 8 Final Audits Recently Approved

Who We Work With

Massachusetts School Building Authority

No. of Projects: 317

Master District Status List

Yellow = Wait List Project

Green = Green Repair

Red = Changes in last 60 days

District Name	School Name	Status	Preferred Schematic	OPM	Designer	Cx Authority	Procurement Status	CM/GC
Abington PS	Woodsdale IS	Design Development	Repair	RF Walsh Collaborative Partners	Gale Associates, Inc.	Russo Barr Associates, Inc.		
Abington PS	Frolo JHS	Eligibility Period					Undetermined	
Acton PS	Douglas ES	Closeout/Audit	Repair	N/A	CBI Consulting Inc.		Undetermined	Gibson Roof's
Adams-Cheshire PS	Adams MS	Building Completion 2013	Addition/Renovation	URS Corporation	Tessier Associates, Inc.	Strategic Building Solutions, LLC	CMR • CM Selected	Gibane Building Company
Agawam PS	Agawam Junior HS	Building Completion 2012	Repair	Municipal Building Consultants, Inc.	CSS Architects Incorporated	Building Enclosure Associates		
Amherst-Pelham PS	Amherst Reg MS	Design Development	Repair	Strategic Building Solutions, LLC	Bradley Architects, Inc.	Russo Barr Associates, Inc.		
Andover PS	Andover West MS	Closeout/Audit	Repair	Skanska USA Building, Inc.	Russo Barr Associates, Inc.	Simpson Gumpertz & Heger Inc.		
Andover PS	Bancroft ES	Design Development	New Construction	Town of Andover	Symmes Maini & McKee Associates, Inc.	Sebestia Blomberg & Associates, Inc.	CMR • CM Selected	Skanska USA Building, Inc.
Arlington PS	M Naroross Stratton ES	Closeout/Audit	Repair	PMA Consultants	Turovski2 Architecture, Inc.		Undetermined	Union, Inc. and Federal Construction Corp.
Arlington PS	Thompson ES	Design Development		PMA Consultants	HMPH Architects, Inc.	Consulting Engineering Services, LLC	DBB • In Design	
Ashburnham-West PS	Briggs ES	Design Development	New Construction	STV, Inc.	Lamoureux Pagano & Associates, Inc.	Foreman Building Commissioning, LP	CMR • CM Selected	Consigli Construction Co.
Assabet Valley PS	Assabet Valley Voc HS	Approved Project Vote Pending	Repair	Strategic Building Solutions, LLC	Design Partnership of Cambridge, Inc.			
Athol-Royalston PS	Riverbend ES	OPM Selection						
Attleboro PS	Attleboro HS	Building Completion 2011	Repair	Skanska USA Building, Inc.	Russo Barr Associates, Inc.	Gale Associates, Inc.		
Attleboro PS	A. Irvin Studley ES	Building Completion 2011	Repair	Skanska USA Building, Inc.	Russo Barr Associates, Inc.	Gale Associates, Inc.		
Attleboro PS	Hill-Roberts ES	Building Completion 2011	Repair	Skanska USA Building, Inc.	Russo Barr Associates, Inc.	Gale Associates, Inc.		
Attleboro PS	Hyman Fine ES	Building Completion 2011	Repair	Skanska USA Building, Inc.	Russo Barr Associates, Inc.	Gale Associates, Inc.		
Auburn PS	Auburn MS	Designer Selection						
Avon PS	Ralph D Butler ES	Closeout/Audit	Repair	Skanska USA Building, Inc.	Knight, Bagge & Anderson, Inc.	Cannon Design		
Ayer PS	Ayer HS	Feasibility Study		Dore and Whittier Architects, Inc.	Symmes Maini & McKee Associates, Inc.			
Barnstable PS	West Barnstable ES	Building Completion 2011	Repair	PMA Construction Services	Gale Associates, Inc.	CBI Consulting Inc.		
Bellingham PS	Bellingham Memorial MS	Closeout/Audit	Repair	Daedalus Projects Inc	Richard D. Kimball Company, Inc.	WSP Flack + Kurtz	Undetermined	General Air Conditioning & Heating, Inc.
Belmont PS	Roger E Wellington ES	Closeout/Audit	New Construction	PMA Consultants	Jonathan Levi Architects LLC	Strategic Building Solutions, LLC	CMR • CM Selected	Skanska USA Building, Inc.

Wednesday, January 04, 2012

DBB = Design-Bid-Build
CMR = Construction Manager at Risk

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Analysis of Cost Trends

- Monitor and report on Change Order trends
- Data being assembled for construction projects – averaged as a percent of original construction contract
 - New construction
 - Addition/renovation
 - Percentage of MSBA category



Analysis of Cost Trends

- Cost Trend Analysis – Challenges
 - Data preliminary
 - Many projects still underway
 - Comparing similar data – building costs versus site work
- Range of Construction costs/SF:
 - New Construction 2010 to 2011: \$240 - \$316
 - New Construction 2012: \$245 - \$298
- Range of Construction costs/SF:
 - Addition/Renovation 2010 to 2011: \$89 - \$220
 - Addition/Renovation 2012: \$85 - \$205



Analysis of Cost Trends

Change Orders

- District must submit a Budget Revision Request to use its construction contingency for change orders
- Not all change orders will be eligible, for example:
 - Owner added scope is not eligible
 - Changes required by third party may not be eligible for reimbursement
 - Site work change orders beyond the 8% site work cap established in the PFA are not eligible
- Standard spreadsheet available for district use

Standard Schedule of Values: DBB

APPLICATION AND CERTIFICATE FOR PAYMENT
DESIGN, BID, BUILD

APPLICATION NUMBER:
APPLICATION DATE:
PERIOD FROM:
TO:
ARCHITECT'S PROJECT NO.:

A	B	C	D	E		G		H	I				
				SCHEDULED VALUE	PREVIOUS APPLICATION	WORK COMPLETED				COMPLETED AND STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C-G)	RETAINAGE
						THIS APPLICATION							
DIVISION	DESCRIPTION OF WORK	MSBA CODE		WORK IN PLACE	STORED MATERIAL								
01	General Conditions	0502-0100					0	#DIV/0!	0				
02	Existing Conditions	0502-0200					0	#DIV/0!	0				
02	Asbestos Abatement	0502-0200					0	#DIV/0!	0				
02	Structure Demolition	0502-0200					0	#DIV/0!	0				
02	Hazardous Materials	0502-0200					0	#DIV/0!	0				
03	Concrete	0502-0300					0	#DIV/0!	0				
03	Footings	0502-0300					0	#DIV/0!	0				
03	Foundations	0502-0300					0	#DIV/0!	0				
03	SOG	0502-0300					0	#DIV/0!	0				
04	Masonry	0502-0400					0	#DIV/0!	0				
04	CMU	0502-0400					0	#DIV/0!	0				
04	Brick	0502-0400					0	#DIV/0!	0				
05	Metals	0502-0500					0	#DIV/0!	0				
05	Fabrication	0502-0500					0	#DIV/0!	0				
05	Erection	0502-0500					0	#DIV/0!	0				
06	Wood, Plastic, and Composites	0502-0600					0	#DIV/0!	0				
07	Thermal and Moisture Protection	0502-0700					0	#DIV/0!	0				
08	Openings	0502-0800					0	#DIV/0!	0				
08	Hollow Metal Doors & Frames	0502-0800					0	#DIV/0!	0				
08	Wood Doors	0502-0800					0	#DIV/0!	0				
08	Windows (FSB)	0502-0800					0	#DIV/0!	0				
08	Skylights	0502-0800					0	#DIV/0!	0				
08	Door Hardware	0502-0800					0	#DIV/0!	0				
08	Glazing (FSB)	0502-0800					0	#DIV/0!	0				
08	Louvers & Vents	0502-0800					0	#DIV/0!	0				
09	Finishes	0502-0900					0	#DIV/0!	0				
10	Specialties	0502-1000					0	#DIV/0!	0				
11	Equipment	0502-1100					0	#DIV/0!	0				
12	Furnishings	0502-1200					0	#DIV/0!	0				
13	Special Construction	0502-1300					0	#DIV/0!	0				
14	Conveying Equipment	0502-1400					0	#DIV/0!	0				
21	Fire Suppression	0502-2100					0	#DIV/0!	0				
22	Plumbing	0502-2200					0	#DIV/0!	0				
23	HVAC	0502-2300					0	#DIV/0!	0				
25	Integrated Automation	0502-2500					0	#DIV/0!	0				
26	Electrical	0502-2600					0	#DIV/0!	0				
27	Communications	0502-2700					0	#DIV/0!	0				
28	Electronic Safety and Security	0502-2800					0	#DIV/0!	0				
31	Earthwork	0502-3100					0	#DIV/0!	0				
32	Exterior Improvements	0502-3200					0	#DIV/0!	0				
33	Utilities	0502-3300					0	#DIV/0!	0				
	Alternates	0506-0000					0	#DIV/0!	0				
	TOTAL BASE CONTRACT AMOUNT												
	Change Order No. 1	0508-0000											
	Change Order No. 2	0508-0000											
	Change Order No. 3	0508-0000											
	Change Order No. 4	0508-0000											
	TOTAL CHANGE ORDER AMOUNT												
	TOTAL CONTRACT AMOUNT												

*Bold indicates subtotal of detailed line item budgets

Standard Schedule of Values: CM-R

APPLICATION AND CERTIFICATE FOR PAYMENT
CM-R DELIVERY METHOD

APPLICATION NUMBER:
APPLICATION DATE:
PERIOD FROM:
TO:

ARCHITECT'S PROJECT NO.:

DIVISION	DESCRIPTION OF WORK	MSBA CODE	SCHEDULED VALUE	PREVIOUS APPLICATION	WORK COMPLETED		COMPLETED AND STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C-G)	RETAINAGE
					THIS APPLICATION					
					WORK IN PLACE	STORED MATERIAL				
-	Pre-Construction Services	0501-0000					0	#DIV/0!	0	
01	CM Fee	0502-0010					0	#DIV/0!	0	
01	Bonds and Insurances	0502-0020					0	#DIV/0!	0	
01	Total GMP Construction Contingency	0502-0030					0	#DIV/0!	0	
01	Subtotal Contingency	0502-0030					0	#DIV/0!	0	
01	Contingency Expenditure 1	0502-0030					0	#DIV/0!	0	
01	Contingency Expenditure 2	0502-0030					0	#DIV/0!	0	
01	Contingency Expenditure 3	0502-0030					0	#DIV/0!	0	
01	Subtotal Allowances	0502-0030					0	#DIV/0!	0	
01	Allowance 1	0502-0030					0	#DIV/0!	0	
01	Allowance 2	0502-0030					0	#DIV/0!	0	
01	Allowance 3	0502-0030					0	#DIV/0!	0	
01	Subtotal Other	0502-0030					0	#DIV/0!	0	
01	Other 1	0502-0030					0	#DIV/0!	0	
01	Other 2	0502-0030					0	#DIV/0!	0	
01	Other 3	0502-0030					0	#DIV/0!	0	
01a	CM Professional Staffing	0502-0100					0	#DIV/0!	0	
01b	General Conditions	0502-0100					0	#DIV/0!	0	
02	Existing Conditions	0502-0200					0	#DIV/0!	0	
02	Asbestos Abatement	0502-0200					0	#DIV/0!	0	
02	Structure Demolition	0502-0200					0	#DIV/0!	0	
02	Hazardous Materials	0502-0200					0	#DIV/0!	0	
03	Concrete	0502-0300					0	#DIV/0!	0	
03	Footings	0502-0300					0	#DIV/0!	0	
03	Foundations	0502-0300					0	#DIV/0!	0	
03	SOG	0502-0300					0	#DIV/0!	0	
04	Masonry	0502-0400					0	#DIV/0!	0	
04	CMU	0502-0400					0	#DIV/0!	0	
04	Brick	0502-0400					0	#DIV/0!	0	
05	Metals	0502-0500					0	#DIV/0!	0	
05	Fabrication	0502-0500					0	#DIV/0!	0	
05	Erection	0502-0500					0	#DIV/0!	0	
06	Wood, Plastic, and Composites	0502-0600					0	#DIV/0!	0	
07	Thermal and Moisture Protection	0502-0700					0	#DIV/0!	0	
08	Openings	0502-0800					0	#DIV/0!	0	
08	Hollow Metal Doors & Frames	0502-0800					0	#DIV/0!	0	
08	Wood Doors	0502-0800					0	#DIV/0!	0	
08	Windows (FSB)	0502-0800					0	#DIV/0!	0	
08	Skylights	0502-0800					0	#DIV/0!	0	
08	Door Hardware	0502-0800					0	#DIV/0!	0	
08	Glazing (FSB)	0502-0800					0	#DIV/0!	0	
08	Louvers & Vents	0502-0800					0	#DIV/0!	0	
09	Finishes	0502-0900					0	#DIV/0!	0	
10	Specialties	0502-1000					0	#DIV/0!	0	
11	Equipment	0502-1100					0	#DIV/0!	0	
12	Furnishings	0502-1200					0	#DIV/0!	0	
13	Special Construction	0502-1300					0	#DIV/0!	0	
14	Conveying Equipment	0502-1400					0	#DIV/0!	0	
21	Fire Suppression	0502-2100					0	#DIV/0!	0	
22	Plumbing	0502-2200					0	#DIV/0!	0	
23	HVAC	0502-2300					0	#DIV/0!	0	
25	Integrated Automation	0502-2500					0	#DIV/0!	0	
26	Electrical	0502-2600					0	#DIV/0!	0	
27	Communications	0502-2700					0	#DIV/0!	0	
28	Electronic Safety and Security	0502-2800					0	#DIV/0!	0	
31	Earthwork	0502-3100					0	#DIV/0!	0	
32	Exterior Improvements	0502-3200					0	#DIV/0!	0	
33	Utilities	0502-3300					0	#DIV/0!	0	
-	Alternates	0506-0000					0	#DIV/0!	0	
-	TOTAL BASE GMP CONTRACT AMOUNT						0	#DIV/0!	0	
	Change Order No. 1	0508-0000					0	#DIV/0!	0	
	Change Order No. 2	0508-0000					0	#DIV/0!	0	
	Change Order No. 3	0508-0000					0	#DIV/0!	0	
	Change Order No. 4	0508-0000					0	#DIV/0!	0	
-	TOTAL CHANGE ORDER AMOUNT	0508-0000					0	#DIV/0!	0	
	TOTAL CONTRACT AMOUNT									

*Bold indicates subtotal of detailed line item budgets

Standard Schedule of Values: CM-R

Change Orders



09	Finishes	0502-0900
10	Specialties	0502-1000
11	Equipment	0502-1100
12	Furnishings	0502-1200
13	Special Construction	0502-1300
14	Conveying Equipment	0502-1400
21	Fire Suppression	0502-2100
22	Plumbing	0502-2200
23	HVAC	0502-2300
25	Integrated Automation	0502-2500
26	Electrical	0502-2600
27	Communications	0502-2700
28	Electronic Safety and Security	0502-2800
31	Earthwork	0502-3100
32	Exterior Improvements	0502-3200
33	Utilities	0502-3300
-	Alternates	0506-0000
-	TOTAL BASE GMP CONTRACT AMOUNT	
	Change Order No. 1	0508-0000
	Change Order No. 2	0508-0000
	Change Order No. 3	0508-0000
	Change Order No. 4	0508-0000
-	TOTAL CHANGE ORDER AMOUNT	0508-0000
	TOTAL CONTRACT AMOUNT	

-	TOTAL BASE GMP CONTRACT AMOUNT	
	Change Order No. 1	0508-0000
	Change Order No. 2	0508-0000
	Change Order No. 3	0508-0000
	Change Order No. 4	0508-0000
-	TOTAL CHANGE ORDER AMOUNT	0508-0000
	TOTAL CONTRACT AMOUNT	

***Bold indicates subtotal of detailed line item budgets**



***Bold indicates subtotal of detailed line item budgets**

Standard Schedule of Values: CM-R

GMP Contingency



APPLICATION AND CERTIFICATE FOR PAYMENT
CM-R DELIVERY METHOD

A	B	
DIVISION	DESCRIPTION OF WORK	MSBA CODE
-	Pre-Construction Services	0501-0000
01	CM Fee	0502-0010
01	Bonds and Insurances	0502-0020
01	Total GMP Construction Contingency	0502-0030
01	Subtotal Contingency	0502-0030
01	Contingency Expenditure 1	0502-0030
01	Contingency Expenditure 2	0502-0030
01	Contingency Expenditure 3	0502-0030
01	Subtotal Allowances	0502-0030
01	Allowance 1	0502-0030
01	Allowance 2	0502-0030
01	Allowance 3	0502-0030
01	Subtotal Other	0502-0030
01	Other 1	0502-0030
01	Other 2	0502-0030
01	Other 3	0502-0030
01a	CM Professional Staffing	0502-0100
01b	General Conditions	0502-0100
02	Existing Conditions	0502-0200

A	B	
DIVISION	DESCRIPTION OF WORK	MSBA CODE
-	Pre-Construction Services	0501-0000
01	CM Fee	0502-0010
01	Bonds and Insurances	0502-0020
01	Total GMP Construction Contingency	0502-0030
01	Subtotal Contingency	0502-0030
01	Contingency Expenditure 1	0502-0030
01	Contingency Expenditure 2	0502-0030
01	Contingency Expenditure 3	0502-0030
01	Subtotal Allowances	0502-0030



Standard Schedule of Values: CM-R

Allowances

APPLICATION AND CERTIFICATE FOR PAYMENT
CM-R DELIVERY METHOD

A	B	
DIVISION	DESCRIPTION OF WORK	MSBA CODE
-	Pre-Construction Services	0501-0000
01	CM Fee	0502-0010
01	Bonds and Insurances	0502-0020
01	Total GMP Construction Contingency	0502-0030
01	Subtotal Contingency	0502-0030
01	Contingency Expenditure 1	0502-0030
01	Contingency Expenditure 2	0502-0030
01	Contingency Expenditure 3	0502-0030
01	Subtotal Allowances	0502-0030
01	Allowance 1	0502-0030
01	Allowance 2	0502-0030
01	Allowance 3	0502-0030
01	Subtotal Other	0502-0030
01	Other 1	0502-0030
01	Other 2	0502-0030
01	Other 3	0502-0030
01a	CM Professional Staffing	0502-0100
01b	General Conditions	0502-0100
02	Existing Conditions	0502-0200

A	B	
DIVISION	DESCRIPTION OF WORK	MSBA CODE
-	Pre-Construction Services	0501-0000
01	CM Fee	0502-0010
01	Bonds and Insurances	0502-0020
01	Total GMP Construction Contingency	0502-0030
01	Subtotal Contingency	0502-0030
01	Contingency Expenditure 1	0502-0030
01	Contingency Expenditure 2	0502-0030
01	Contingency Expenditure 3	0502-0030
01	Subtotal Allowances	0502-0030
01	Allowance 1	0502-0030
01	Allowance 2	0502-0030
01	Allowance 3	0502-0030
01	Subtotal Other	0502-0030
01	Other 1	0502-0030
01	Other 2	0502-0030
01	Other 3	0502-0030
01a	CM Professional Staffing	0502-0100
01b	General Conditions	0502-0100
02	Existing Conditions	0502-0200





Standard Schedule of Values:

COST ESTIMATE COMPARISON SPREADSHEET (CSI FORMAT)

(Enter School Name) (Enter New Construction, Addition or Renovation)									
Estimated Construction Start Date:	XXXX			XXXX			XXXX		
Description	60% CD			100% CD			Bid Data		
	GSF	Total Cost	Unit Cost	GSF	Total Cost	Unit Cost	GSF	Total Cost	Unit Cost
General Requirements Subgroup									
1 General Requirements									
Insurance			#DIV/0!			#DIV/0!			#DIV/0!
Subcontractor Bonds	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
GC Bonds	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
Design & Pricing Contingency	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
General Conditions	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
Overhead & Profit	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
Facilities Construction Subgroup									
2 Existing Conditions	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
3 Concrete	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
4 Masonry	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
5 Metals	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
6 Wood, Plastics and Composites	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
7 Thermal & Moisture Protection	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
8 Openings	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
9 Finishes	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
10 Specialties	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
11 Equipment	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
12 Furnishings	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
13 Special Construction	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
14 Conveying	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
Facilities Services Subgroup									
21 Fire Suppression	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
22 Plumbing	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
23 HVAC	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
25 Integrated Automation	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
26 Electrical	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
27 Communications	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
28 Electronic Safety and Security	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
Site and Infrastructure Subgroup									
31 Earthwork	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
32 Exterior Improvements	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
33 Utilities	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
34 Transportation	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
35 Waterway and Marine Construction	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
Construction Subtotal	0	0	#DIV/0!	0	0	#DIV/0!	0	0	#DIV/0!
Escalation to Construction Mid-Point	0		#DIV/0!	0		#DIV/0!	0		#DIV/0!
Total Cost	0	0		0	0		0	0	
\$/GSF		#DIV/0!			#DIV/0!			#DIV/0!	

Alternates									
1									
2									
3									
4									

1 60% Construction Document costs are based on , 2010 dollars.
 2 100% Construction Document costs are based on , 2010 dollars.
 3 Bid costs are based on , 2010 dollars.



MSBA Site Visits

- Safety Incidents
- Monitor Performance to Schedule
- RFI Status
- Change Orders
- Cleanliness of Building and Site
- Community Issues
- Quality of Work
- Interface with Commissioning Agent

Massachusetts School Building Authority

Steven Grossman
Chairman, State Treasurer

John K. McCarthy
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Questions?

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