Massachusetts School Building Authority

Board Meeting

March 30, 2011

Steven Grossman
Chairman, State Treasurer

Katherine P. Craven
Executive Director

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- Project Votes
- Project Status Update
- Model School Program Update
- Audit Status Update
- Finance Update
- Legal Update

MSBA Visits

Since the February 9th Board meeting, the MSBA has visited 23 Districts

Project Visits	Project Visits	Town Meetings/Topping Off Ceremony
Belmont Billerica Brookline Burlington Dedham Foxboro Hampden-Wilbraham Malden (2x) Middleton Norfolk Norwood	Pittsfield Rochester Sharon Shawsheen Springfield – Putnam VTHS Southbridge Taunton (2x) Wayland Woburn Worcester	Dracut Duxbury Springfield – Putnam Vocational Technical High School

MSBA Visits

Upcoming events anticipated in April and May

Project Visits	Groundbreakings / Check Presentations / Topping Off Ceremonies	Appropriation Votes	Model School Visits
Belmont Billerica Brookline Burlington Dedham Hampden-Wilbraham Longmeadow Malden Middleton Sharon Shawsheen Springfield Sturbridge Southbridge Taunton Wayland Wellesley Woburn Worcester	Berlin-Boylston Carlisle Longmeadow Norfolk Shrewsbury	**April** Carver Douglas Dracut Hingham Lexington Marshfield **May** Auburn Ayer-Shirley RDS Brookline Dracut Fairhaven Southeast RVT West Springfield	Lanesboro Elementary School Malden Ferryway K-8 School Woburn Malcolm White Elementary School New Bedford Lincoln Elementary School

Invitation to Feasibility Study

Exhibit A-1 New Invitation

District	School	Age of Existing Building	Grade	2009/10 Enroll	Projected Enroll	Existing Square Footage	Proposed New Square Footage	Proposed Renovated Square Footage	Proposed Scope of Project	MSBA Category
Revere	McKinley ES	1904	K-5	470	TBD	43,350	TBD	TBD	TBD	Feasibility Study

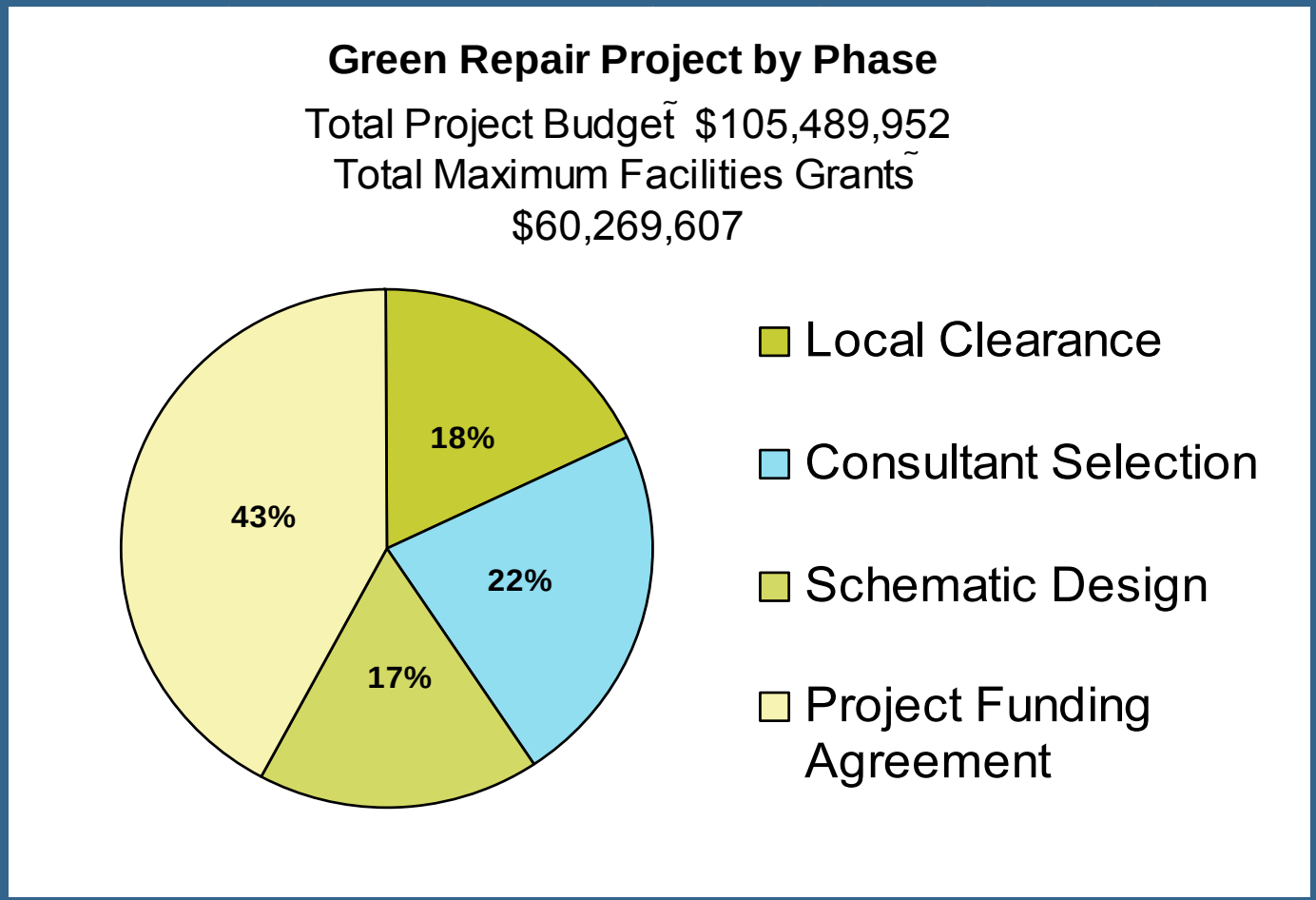
Exhibit A-2: Recategorization of previous invitation

District	School	Age of Existing Building	Grade	2009/10 Enroll	Projected Enroll	Existing Square Footage	Proposed New Square Footage	Proposed Renovated Square Footage	Current MSBA Category Board Vote	New MSBA Category Board Vote
Greater Lowell Reg Voc Tech	Greater Lowell RVT HS	1974	6-12	2,014	TBD	588,000	TBD	TBD	Vocational, Technical and Agricultural Renew and Repair Program: Roof July 29, 2009	Vocational, Technical and Agricultural Renew and Repair Program: Major Repair including assessment of roof, HVAC, electrical, plumbing, building envelope, interior renovation for health and safety and sitework March 30, 2011
Peabody	Higgins MS	1966	6-8	1,459	TBD	271,376	TBD	TBD	Repair Assessment August 8, 2008	Feasibility Study to explore potential renovation and addition options March 30, 2011
Spencer East Brookfield	David Prouty HS	1966	9-12	483	TBD	100,000	TBD	TBD	Repair Assessment September 30, 2009	Feasibility Study March 30, 2011

Green Repair Program Status

186 projects – 79 Projects authorized for PFA

43% Complete

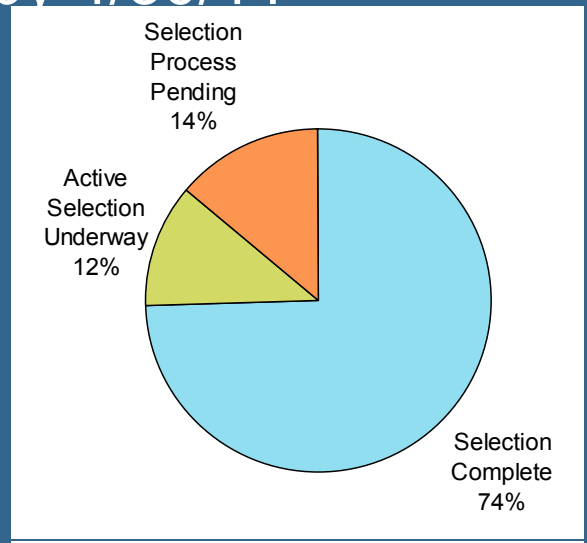


Green Repair – Consultant Selection Status
Anticipate completion by 4/30/11

OPM Selections*

- Selection Complete – 64 Districts
- Selection Underway – 10 Districts
- Process Pending – 12 Districts

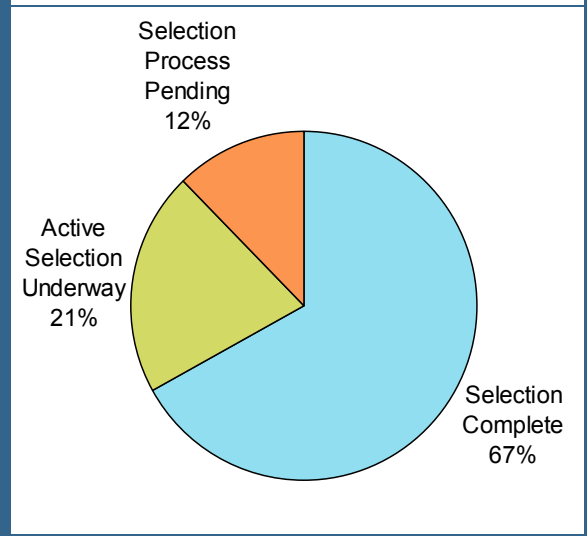
*Not all districts are selecting OPMs through this process



Designer Selections*

- Selection Complete – 61 Districts
- Selection Underway – 19 Districts
- Process Pending – 11 Districts

*Boston, Sudbury, Springfield, Fitchburg and Newton are selecting more than one designer

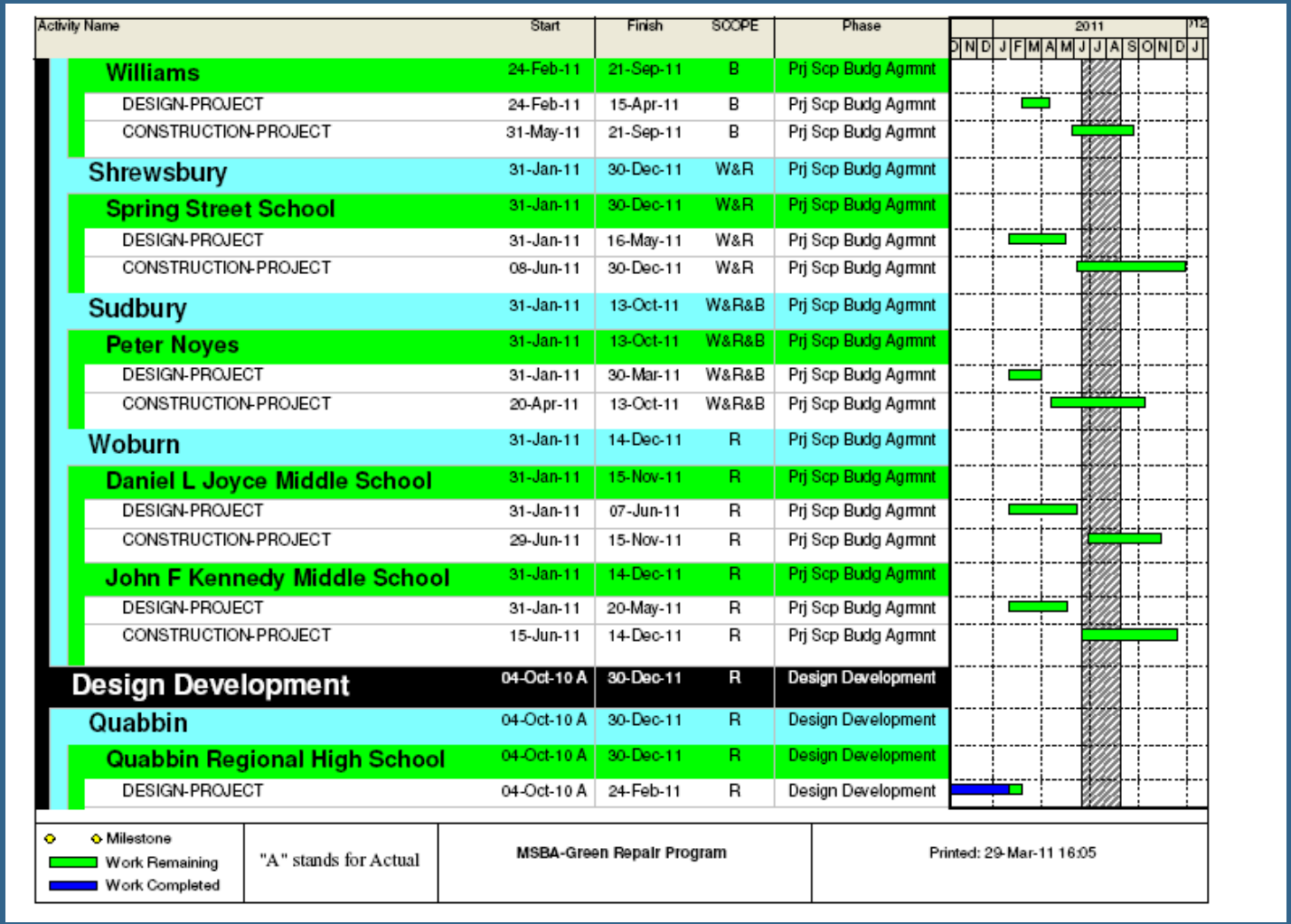


Green Repair

- Available on website
  - Green Project Master Schedule (new)
  - Repair Cost Data (updated each Board)
  - Comparison of Roof costs by type (new)
  - Consultant Lists by project (updated bi-monthly)
    - OPMs
    - Designers

Green Project Master Schedule

Full schedule on website



Activity Name	Start	Finish	SCOPE	Phase
Williams	24-Feb-11	21-Sep-11	B	Prj Scp Budg Agrmnt
DESIGN-PROJECT	24-Feb-11	15-Apr-11	B	Prj Scp Budg Agrmnt
CONSTRUCTION-PROJECT	31-May-11	21-Sep-11	B	Prj Scp Budg Agrmnt
Shrewsbury	31-Jan-11	30-Dec-11	W&R	Prj Scp Budg Agrmnt
Spring Street School	31-Jan-11	30-Dec-11	W&R	Prj Scp Budg Agrmnt
DESIGN-PROJECT	31-Jan-11	16-May-11	W&R	Prj Scp Budg Agrmnt
CONSTRUCTION-PROJECT	08-Jun-11	30-Dec-11	W&R	Prj Scp Budg Agrmnt
Sudbury	31-Jan-11	13-Oct-11	W&R&B	Prj Scp Budg Agrmnt
Peter Noyes	31-Jan-11	13-Oct-11	W&R&B	Prj Scp Budg Agrmnt
DESIGN-PROJECT	31-Jan-11	30-Mar-11	W&R&B	Prj Scp Budg Agrmnt
CONSTRUCTION-PROJECT	20-Apr-11	13-Oct-11	W&R&B	Prj Scp Budg Agrmnt
Woburn	31-Jan-11	14-Dec-11	R	Prj Scp Budg Agrmnt
Daniel L Joyce Middle School	31-Jan-11	15-Nov-11	R	Prj Scp Budg Agrmnt
DESIGN-PROJECT	31-Jan-11	07-Jun-11	R	Prj Scp Budg Agrmnt
CONSTRUCTION-PROJECT	29-Jun-11	15-Nov-11	R	Prj Scp Budg Agrmnt
John F Kennedy Middle School	31-Jan-11	14-Dec-11	R	Prj Scp Budg Agrmnt
DESIGN-PROJECT	31-Jan-11	20-May-11	R	Prj Scp Budg Agrmnt
CONSTRUCTION-PROJECT	15-Jun-11	14-Dec-11	R	Prj Scp Budg Agrmnt
Design Development	04-Oct-10 A	30-Dec-11	R	Design Development
Quabbin	04-Oct-10 A	30-Dec-11	R	Design Development
Quabbin Regional High School	04-Oct-10 A	30-Dec-11	R	Design Development
DESIGN-PROJECT	04-Oct-10 A	24-Feb-11	R	Design Development

Green Projects
Repair Cost Data

The consultant fees should be reviewd in comparison to fees of projects in similar scope as a calculation of the fee as a percentage of construction cost is not always applicable.

Green Repair Districts with multiple school projects have, in most cases, one consultant contract and therefore the consultant fees shown may be an approximation of the costs across each project and may not represent the actual costs for that project.

DISTRICT	Ashland		Attleboro		Attleboro	
SCHOOL	Mindess ES		Attleboro HS (Green Repair)		Hill-Roberts ES (Green Repair)	
TOTAL BUILDING SF	96,233		428,700		76,630	
SCOPE	Roof sf:	96,233	Window sf:	6,400	Roof sf:	44,000
	Cost	% Sub Total Construction	Cost	% Sub Total Construction	Cost	% Sub Total Construction
Administration						
Total Administration	**$51,500**		**$0**		**$0**	
Owner's Project Manager	Heery International		Skanska USA Building		Skanska USA Building	
Feasibility Study/ Schematic Design			$3,750	0.92%	$3,750	0.50%
Design Development	inc in CD					
Construction Contract Documents	$32,500	1.23%	$21,525	5.31%	$21,525	2.85%
Bidding	$4,500	0.17%				
Construction Contract Administration	$50,000	1.89%	$27,420	6.76%	$27,420	3.64%
Closeout	$5,000	0.19%				
Reimbursable Services						
Other Project Manager Costs						
Total OPM Fee	**$92,000**	**3.47%**	**$52,695**	**12.99%**	**$52,695**	**6.99%**
Architecture and Engineering	Gale Associates		Russo Barr		Russo Barr	
Basic Services						
Feasibility Study	inc in sd					
Schematic Design	$39,710	1.50%	$14,000	3.45%	$24,400	3.24%
Design Development	inc in CD					
Construction Contract Documents	$35,810	1.35%	$5,225	1.29%	$10,800	1.43%
Bidding	$6,500	0.25%	$4,000	0.99%	$5,000	0.66%
Construction Contract Administration	$39,250	1.48%	$8,000	1.97%	$14,000	1.86%
Closeout		0.00%				
Other Basic Services						
Subtotal A/E Basic Services	**$121,270**	**4.58%**	**$31,225**	**7.70%**	**$54,200**	**7.19%**
Extra and Reimbursable Services						
Construction testing			$1,000		$2,000	
Printing			$3,000		$3,000	
Hazardous Material			$1,000		$2,000	
Geotechnical						
Other	$14,000					
Subtotal A/E Extra Services	**$14,000**		**$5,000**		**$7,000**	
Total A/E Fee	**$135,270**	**5.11%**	**$36,225**	**8.93%**	**$61,200**	**8.12%**
Construction						
Construction Trades						
SHELL						
Superstructure						

Green Repair

Comparison of Roof costs by type

District	School Name	Roof System	Roof SF	Roof Replacement Cost	Roof Replacement Cost / SF	Associated Roof Costs	Designer
Walpole	Bird MS *	Built-Up	19,570	$384,149	$19.63	$0	UDA Architects
Hopedale	Memorial ES *	Built-Up	28,700	$457,000	$15.92	$0	Gale Associates
N. Attleboro	Martin ES *	Built-Up	31,500	$535,000	$16.98	$0	CBI Consulting
Needham	Pollard MS	Built-Up	104,000	$2,741,868	$26.36	$351,029	Gale Associates
Newton	Bowen ES	Built-Up	4,810	$96,200	$20.00	$34,500	Habeeb Associates
Winchester	Lynch ES	Built-Up	45,910	$959,728	$20.90	$302,809	Gale Associates
Gardner	Elm Street School	EPDM	14,400	$214,356	$14.89	$84,702	KBA Architects
Gardner	Gardner HS	EPDM	108,917	$1,565,517	$14.37	$321,066	KBA Architects
Gardner	Waterford Street School	EPDM	16,000	$230,026	$14.38	$92,230	KBA Architects
Leicester	Leicester MS	EPDM	90,000	$1,133,985	$12.60	$0	Bradley Architects
Lexington	Lexington HS	EPDM	49,075	$669,751	$13.65	$84,976	Russo Barr
Narragansett	Narragansett MS	EPDM	70,500	$1,006,020	$14.27	$0	DiMarinisi & Wolfe
Orange	Butterfield ES *	EPDM	10,000	$143,494	$14.35	$0	Tighe & Bond
Shrewsbury	Spring Street ES	EPDM	22,300	$294,360	$13.20	$84,590	Habeeb Associates
Westfield	Highland ES	EPDM	58,782	$751,419	$12.78	$209,310	Tighe & Bond
Westfield	Southampton Road ES	EPDM	60,401	$775,676	$12.84	$219,604	Tighe & Bond
Andover	West MS	PVC	63,000	$850,500	$13.50	$465,400	Russo Barr
Dennis-Yarmouth	Baker ES	PVC	19,500	$318,681	$16.34	$113,876	KBA Architects
Lexington	Lexington HS	PVC	14,500	$231,493	$15.97	$11,281	Russo Barr
Melrose	Melrose HS	PVC	44,240	$663,126	$14.99	$205,812	Gale Associates
Mendon-Upton	Miscoe Hill MS	PVC	129,000	$2,093,000	$16.22	$279,000	Habeeb Associates
Palmer	Converse MS	PVC	42,200	$633,000	$15.00	$249,002	Tighe & Bond
Palmer	Palmer HS	PVC	72,200	$1,083,000	$15.00	$348,589	Tighe & Bond
Reading	Killam MS	PVC	60,500	$960,322	$15.87	$180,160	LPBA Architects
Sudbury	Peter Noyes ES	PVC	53,505	$853,490	$15.95	$226,020	Russo Barr
Tantasqua	Tantasqua Regional JHS	PVC	50,700	$760,500	$15.00	$236,450	Habeeb Associates
Woburn	Joyce MS	PVC	70,645	$931,460	$12.93	$460,453	Gale Associates
Woburn	Kennedy MS	PVC	101,310	$1,622,673	$16.02	$1,447,439	Gale Associates
Dennis-Yarmouth	Baker ES	Shingle	24,480	$395,611	$16.16	$0	KBA Architects
Florida	Gabriel Abbott ES	Shingle	14,000	$219,258	$15.66	$90,915	Bradley Architects
Leverett	Leverett ES	Slate Roof Rehabilitiation	14,333	$98,250	$6.85	$22,270	DiMarinisi & Wolfe

* Construction completed

Green Repair

Comparison of Window costs by type

District	School Name	Window Replacement Cost / SF *	Designer
Amherst-Pelham	Amherst Regional MS	$90.00	Bradley Architects
Brookfield	Brookfield ES	$95.35	Habeeb Associates
Chelmsford	Chelmsford HS	$93.07	Russo Barr
Dennis-Yarmouth	Baker ES	$89.28	KBA Architects
Dudley-Charlton	Shepherd Hill Regional HS	$77.32	ICON Architecture
Fairhaven	Hastings MS	$65.00	Durland Van Voorhis
Framingham	Stapleton ES	$83.36	Russo Barr
Leverett	Leverett ES	$104.76	DiMarinisi & Wolfe
Mendon-Upton	Miscoe Hill MS	$85.00	Habeeb Associates
Reading	Birch Meadow ES	$101.98	LPBA Architects
Shrewsbury	Spring Street ES	$91.30	Habeeb Associates
Sudbury	Noyes ES	$81.18	Gale Associates
Wilmington	Shawsheen ES	$73.87	Russo Barr

* Abatement costs not included

Green Repair

- Program Benefits:
  - Streamlined consultant selection process
  - Impact many schools by allowing districts to apply for more than one project
  - Provides data for long-term MSBA repair program
  - Clearinghouse of cost data – construction costs and consultant fees
- Program Challenges:
  - Competitive bids and available contractor resources
  - Appropriate contingencies
  - Availability of local funding
  - Will require extension of construction schedule into 2012
  - MBE and WBE compliance and outreach

Project Removal From Green Repair Program

District	School	Board Invitation	Reason for removal from Green Repair Program	Additional Statements of Interest on file
Ayer	Page-Hilltop ES	2/9/2011	MSBA received an e-mail dated March 17, 2011 from Ayer Interim Superintendent George Frost requesting Ayer's removal from the Green Repair Program. Ayer School Committee felt that if the Regional School Committee moved forward with the plan to remedy the failed vote on the Middle / High School project having a second project in the mix would stress the town of Ayer's finances.	Ayer filed an SOI in 2008 and was invited into the Capital Pipeline at the 11/18/09 Board Meeting to conduct a feasibility study for a combined high school with Shirley.
Waltham	Waltham Senior HS	11/17/2010	MSBA received an e-mail on November 19, 2010 from Skip Bandini, Director of Facilities, for the Waltham Public Schools acknowledging the Waltham School Committee voted to not move forward with the Green Repair Program and would focus on refreshing the Waltham HS SOI for 2011.	Waltham filed a 2011 SOI for Waltham High School.

Green Repair - Project Funding Agreement

31 DISTRICTS – 43 SCHOOLS
$52.7 M IN TOTAL PROJECT BUDGETS
$25.4 M IN MSBA GRANTS

Vote - Project Funding Agreement **Total: $ 52,764,588 $ 50,742,013 $ 25,410,735**

District	School	Age of Existing Building	Grade	2009/10 Enroll	Existing Sq.Ft.	Project Scope	District Total Project Budget	MSBA Total Facility Grant Basis	Reimbursement Rate	Approximate Total Grant Amount
Amherst - Pelham	Amherst Regional Middle School	1969	7-8	471	197,000	Windows	$1,585,909	$1,478,139	59.84%	$884,518
Andover	West Middle School	1956	6-8	543	106,000	Roof	$1,540,407	$1,540,407	39.00%	$600,759
Brookfield	Brookfield Elementary	1958	PK-6	319	85,000	Windows	$338,043	$337,543	57.74%	$194,897
Chelmsford	Byam Elementary	1970	K-4	525	60,441	Roof	$500,000	$500,000	49.31%	$246,550
	Chelmsford High School	1974	9-12	1,573	285,882	Windows	$1,800,000	$1,800,000	49.31%	$887,580
Dennis-Yarmouth	Ezra Baker Elementary	1931	PK-3	368	73,000	Roof + Windows	$3,328,913	$3,279,913	37.95%	$1,244,727
Dudley - Charlton	Shepard Hill Regional High School	1973	9-12	1,153	192,247	Windows	$704,961	$701,289	57.11%	$400,506
Fairhaven	Hastings Middle School	1958	6-8	480	90,000	Windows	$420,669	$420,669	54.79%	$230,485
Florida	Abbot Memorial Elementary	1951	PK-8	110	23,000	Roof	$380,310	$350,842	60.76%	$213,172
Framingham	Stapleton Elementary	1929	K-5	338	59,600	Windows	$1,020,000	$1,020,000	57.69%	$588,438
Gardner	Elm Street Elementary	1926	3-5	500	131,000	Roof	$388,099	$388,099	73.28%	$284,399
	Waterford Street Elementary	1957	PK-2	791	70,000	Roof	$421,528	$421,528	73.28%	$308,896
	Gardner High School	1976	9-12	679	214,000	Roof	$2,189,398	$2,189,398	73.28%	$1,604,391

Green Repair Program
Authorization to Execute Project Funding Agreement

District	School	Age of Existing Building	Grade	2009/10 Enroll	Existing Sq.Ft.	Project Scope	District Total Project Budget	MSBA Total Facility Grant Basis	Reimbursement Rate	Approximate Total Grant Amount
Leicester	Memorial Elementary	1954	3-5	410	48,350	Boilers	$56,265	$56,265	59.21%	$33,315
	Leicester Middle School	1961	6-8	424	69,448	Roof	$1,314,351	$1,300,861	59.21%	$770,240
Leverett	Leverett Elementary School	1950	PK-6	159	42,950	Roof + Windows	$564,248	$526,487	51.42%	$270,720
Lexington	Lexington High School	1953	9-12	1,983	328,500	Roof	$1,122,890	$1,122,890	33.95%	$381,221
Melrose	Melrose High School	1975	9-12	984	241,000	Roof	$1,062,198	$1,037,027	51.42%	$533,239
Mendon - Upton	Miscoe Hill Middle School	1960	5-8	888	143,000	Roof, Windows + Boilers	$3,994,432	$3,994,432	47.21%	$1,885,771
Narragansett	Phillipston Memorial	1948	PK-4	126	25,325	Boilers	$143,235	$143,235	59.84%	$85,712
	Narragansett Middle School	1958	5-8	511	100,000	Roof	$1,151,031	$1,151,031	59.84%	$688,777
Needham	Pollard Middle School	1958	7-8	829	175,000	Roof	$3,251,540	$3,200,414	35.42%	$1,133,587
New Salem - Wendell	Swift River Elementary	1976	PK-6	145	36,000	Roof + Boilers	$1,317,564	$1,137,464	69.70%	$792,812
Newton	Bowen Elementary	1950	K-5	450	63,915	Roof	$167,475	$166,287	35.42%	$58,899
	Williams Elementary	1950	K-5	275	37,000	Boilers	$328,000	$326,849	35.42%	$115,770
Orange	Butterfield Elementary	1880	5-6	216	30,000	Roof	$143,494	$143,494	78.95%	$113,289
Palmer	Old Mill Pond Elementary	1991	PK-4	657	95,000	Roof + Boilers	$763,201	$763,201	61.32%	$467,995
	Converse Middle School	1922	5-7	404	78,000	Roof + Boilers	$1,234,482	$1,234,482	61.32%	$756,984
	Palmer High School	1991	8-12	558	132,000	Roof + Boilers	$2,051,551	$2,051,551	61.32%	$1,258,011

Green Repair Program
Authorization to Execute Project Funding Agreement

District	School	Age of Existing Building	Grade	2009/10 Enroll	Existing Sq.Ft.	Project Scope	District Total Project Budget	MSBA Total Facility Grant Basis	Reimbursement Rate	Approximate Total Grant Amount
Reading	Birch Meadow Elementary	1964	K-5	419	58,500	Windows	$735,846	$735,846	47.21%	$347,393
	Killam Elementary	1969	K-5	447	57,000	Roof	$1,349,407	$1,349,407	47.21%	$637,055
Shrewsbury	Spring Street School	1967	K-4	381	37,200	Roof + Windows	$1,310,797	$1,163,674	50.16%	$583,699
Sudbury	Peter Noyes Elementary	1951	PK-5	650	109,868	Roof, Windows + Boilers	$2,600,000	$2,475,080	35.42%	$876,673
Tantasqua	Tantasqua Regional Middle School	1974	7-8	557	138,000	Roof	$1,109,234	$1,108,824	54.16%	$600,539
Walpole	Bird Middle School	1961	6-8	511	88,500	Roof	$403,473	$403,473	47.21%	$190,480
Westfield	Highland Elementary	1952	K-5	474	51,224	Roof	$1,106,971	$1,106,971	62.74%	$694,514
	Southhampton Road Elementary	1955	K-5	432	69,997	Roof	$1,143,292	$1,143,292	62.74%	$717,301
Weston	Weston Middle School	1969	6-8	575	141,583	Roof	$957,079	$944,240	31.00%	$292,714
	Weston High School	1961	9-12	748	161,231	Boilers	$778,972	$621,818	31.00%	$192,764
Wilmington	Shawsheen Elementary	1970	1-3	391	56,253	Windows	$861,282	$861,282	48.47%	$417,463
Winchester	Lynch Elementary	1961	PK-5	463	83,651	Roof	$1,569,000	$1,569,000	33.95%	$532,676
Woburn	Joyce Middle School	1968	6-8	511	187,957	Roof	$1,830,171	$900,364	51.21%	$461,076
	Kennedy Middle School	1963	6-8	557	104,000	Roof	$3,724,870	$3,574,945	51.21%	$1,830,729

Preferred Schematic

District	School	Age of Existing Building	Grade	2009/10 Enroll	Proj. Enroll	Existing Sq.Ft.	Proposed New Square Footage	Current MSBA Category	Proposed Scope of Project	Estimated Construction Cost of Preferred Schematic	MSBA Total Facility Grant Basis	Base Reimbursement Rate	Approx. Total Grant amount
Norton	Norton HS	1971	9-12	742	700	130,000	162,000	Feasibility Study	Add/Reno	$27,302,919	TBD	TBD	TBD

Preferred Schematic

Norton – High School

- Built in 1971
- Grades 9-12
- Enrollment: 700
- Proposed Scope of Project: Add/Reno
- Existing Square Footage: 130,000sf
- Proposed New Square Footage: 32,000 sf
- Total Square Footage of Proposed Project: 162,000 sf
- Estimated Construction Cost of Preferred Schematic: $27,302,919

Recommendation to move to preferred schematic

Norton - Preferred Site Plan



Recommendation to move to preferred schematic

Project Scope and Budget

8 DISTRICTS
$372 M IN TOTAL PROJECT BUDGETS
$245 M IN MSBA GRANTS

Vote - Project Scope and Budget **Total: $ 372,672,559 $ 330,523,295 $ 245,626,397**

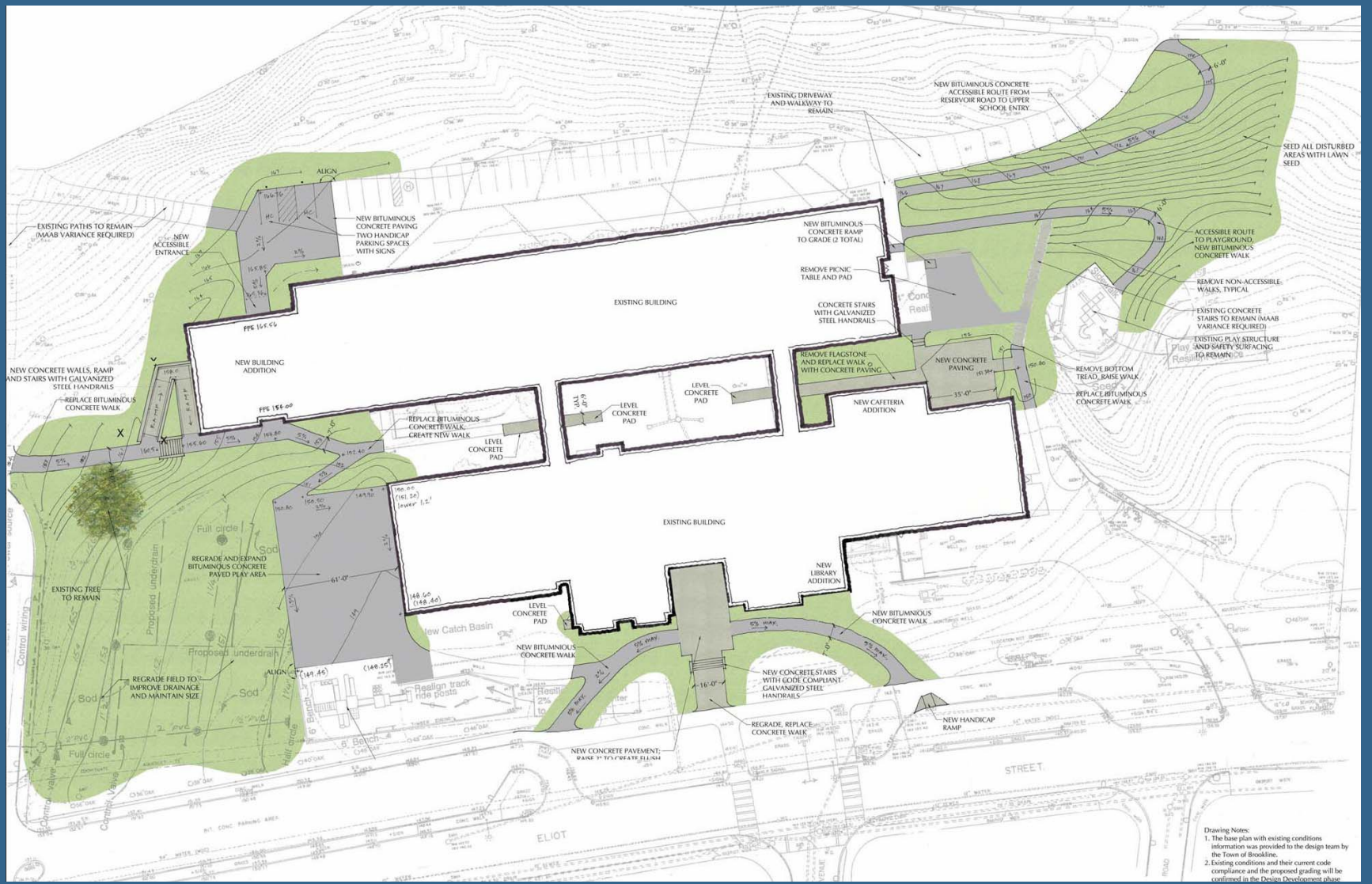
District	School	Age of Existing Building	Grade	2009/10 Enroll	Projected Enroll	Existing Sq.Ft.	Proposed Square Footage	Project Scope	Preferred Schematic	District Total Project Budget	MSBA Total Facility Grant Basis	Reimbursement Rate	Approximate Total Grant Amount
Brookline	Heath ES	1959	Pk-8	501	560	66,544	80,952	Project Scope & Budget	add/reno	$8,800,000	$8,466,287	39.93%	$3,380,588
Douglas	Douglas ES Douglas IS	1987	K-2 3-7	645	552 (2-5) 448 (6-8)	89,000	83,100 83,277	Project Scope & Budget	Model School add/reno	$32,231,824 $18,517,565	$28,373,528 $17,208,072	62.07% 54.16%	$17,611,449 $9,319,892
Fall River	Morton MS	1924	6-8	559	625	107,000	130,600	Project Scope & Budget	New	$53,263,029	$47,814,757	80.00%	$38,251,806
Marblehead	Glover ES	1926	1-3	266	425	43,000	79,108	Project Scope & Budget	New	$25,900,000	$25,515,420	40.00%	$10,206,168
Quincy	Central MS	1894	6-8	559	620	127,354	114,975	Project Scope & Budget	New Model School	$50,000,265	$41,246,027	80.00%	$32,996,822
Southeastern RVT	Southeastern RVT HS	1965	9-12	1,262	1,370	298,160	308,250	Project Scope & Budget	add/reno	$32,997,475	$32,485,759	80.00%	$25,988,607
Springfield	Forest Park MS	1899	6-8	798	660	141,355	148,800	Project Scope & Budget	add/reno	$43,403,082	$43,403,082	90.00%	$39,062,774
West Springfield	West Springfield HS	1955	9-12	1,316	1,270	270,000	257,525	Project Scope & Budget	New Model School	$107,559,319	$86,010,363	80.00%	$68,808,291

Project Scope and Budget

Brookline – Heath K-8 School

- Built in 1959
- Addition/Renovation:
  - New square footage: 14,544 sf
  - Renovated square footage: 66,554 sf
- Grades: K-8
- District Total Project Budget: $8,800,000
- Basis of Maximum Grant Amount: $8,466,287
- Reimbursement Rate: 39.93%
- MSBA Maximum Grant Amount: $3,380,588
- Town Meeting Vote: May 24, 2011

Brookline - Site



Recommendation to move to project scope + budget

Brookline - Perspectives





Recommendation to move to project scope + budget

Project Scope and Budget

Douglas – Elementary and Intermediate School

- Built in 1987
- Existing Grades: K-2, 3-7, 8-12
- Model School + Renovation (Grades 2-8):
  - New ES (2-5) square footage: 83,100 sf
  - Renovated IS (6-8) square footage: 83,277 sf
- District Total Project Budget: $50,749,389
- Basis of Maximum Grant Amount: $45,581,600
- Reimbursement Rate: 62.07%, 54.16%
- MSBA Maximum Grant Amount: $26,931,341
- Town Meeting Vote: March 28 , 2011
- Special Ballot Vote: April 5, 2011

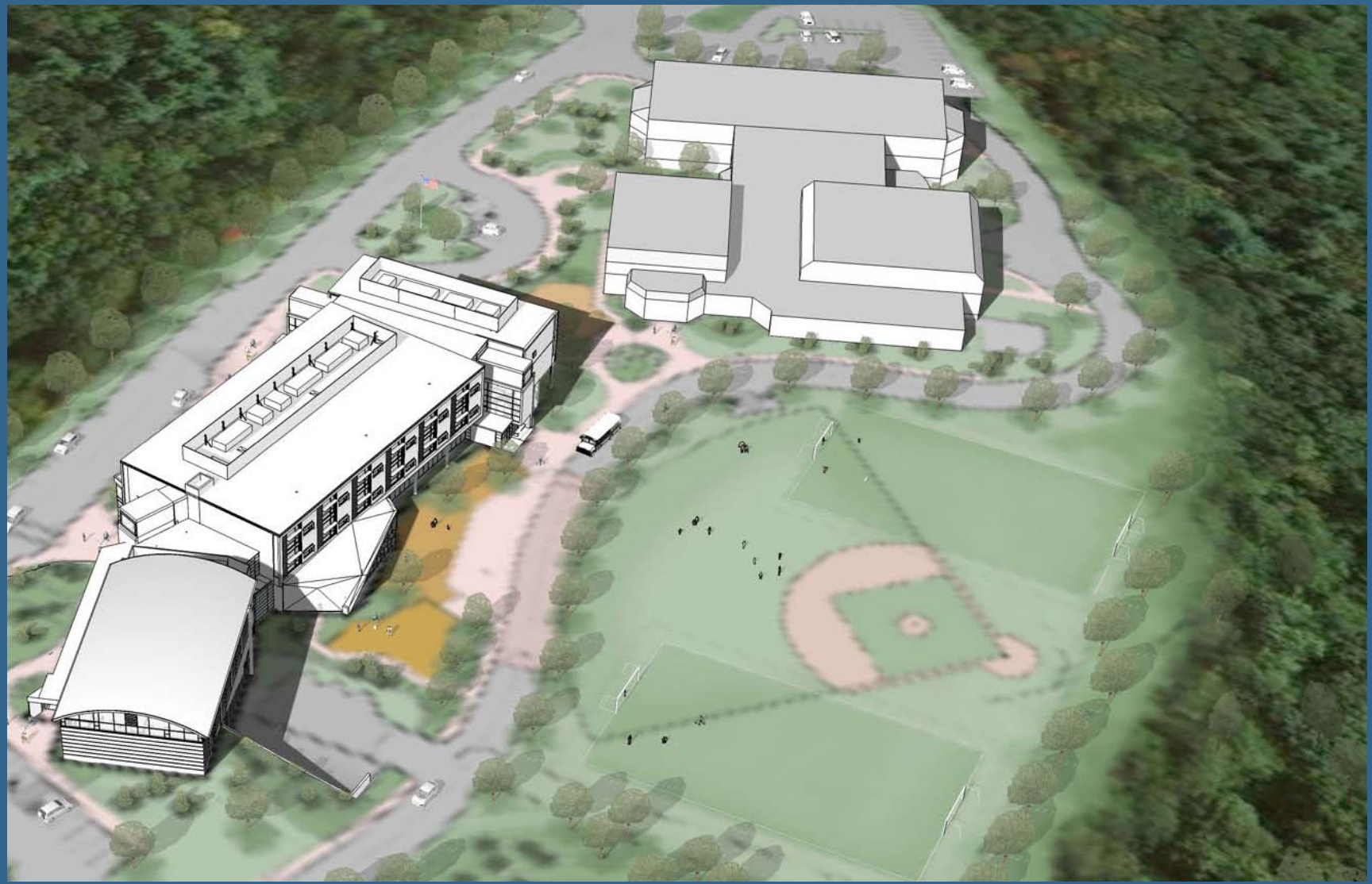
Recommendation to move to project scope + budget

Douglas - Site



Recommendation to move to project scope + budget

Douglas - Aerial



Recommendation to move to project scope + budget

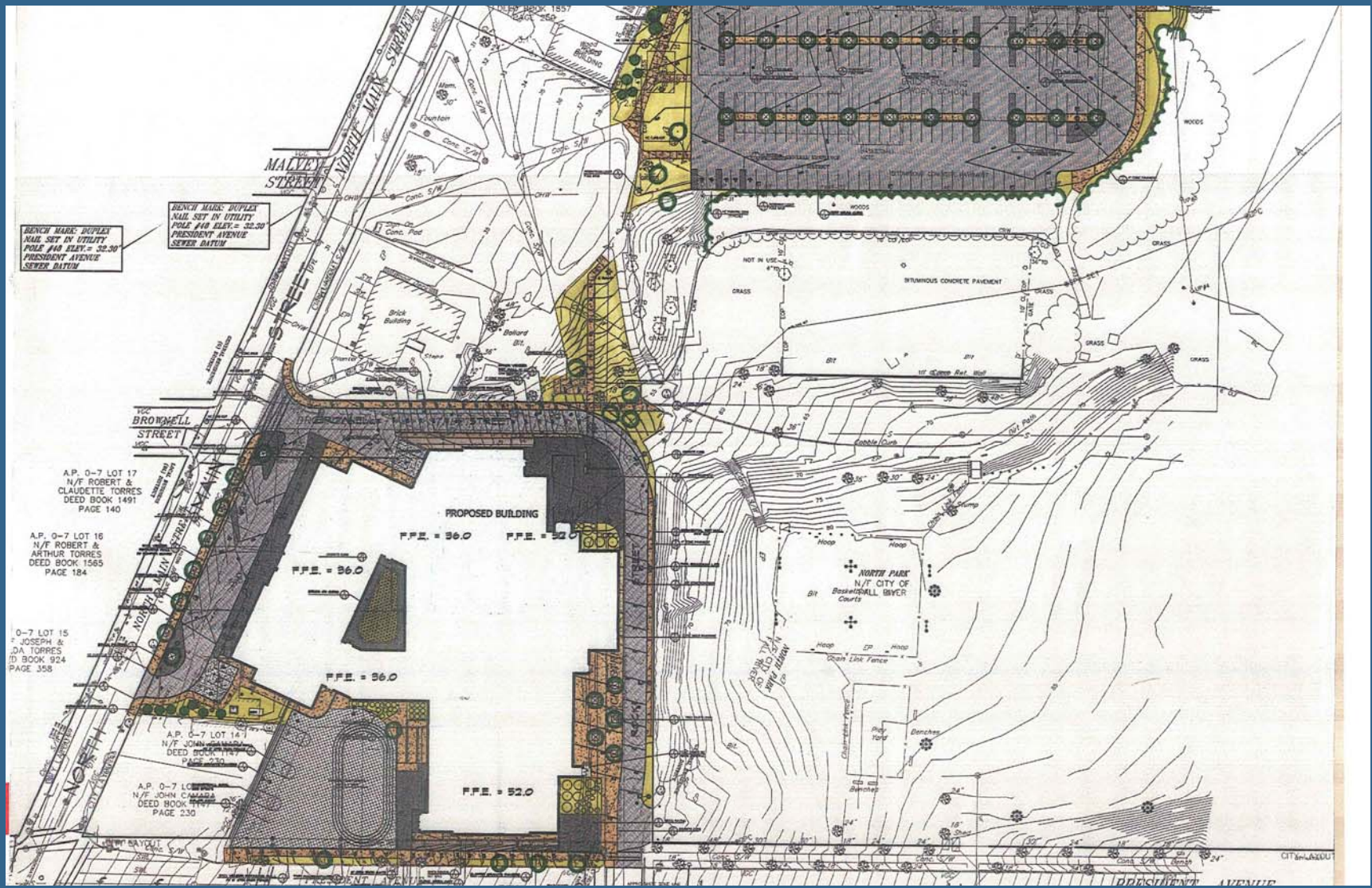
Project Scope and Budget

Fall River – Morton Middle School

- Built in 1924
- New Construction:
  - New square footage: 130,600 sf
- Grades: 6-8
- District Total Project Budget: $53,263,029
- Basis of Maximum Grant Amount: $47,814,757
- Reimbursement Rate: 80.00%
- MSBA Maximum Grant Amount: $38,251,806
- City Council Vote: May, 2010

Recommendation to move to project scope + budget

Fall River - Site



Recommendation to move to project scope + budget

Fall River – Elevation



Recommendation to move to project scope + budget

Project Scope and Budget

Marblehead – Glover Elementary School

- Built in 1926
- New Construction:
  - New square footage: 79,108 sf
- Grades: K-3
- District Total Project Budget: $25,900,000
- Basis of Maximum Grant Amount: $25,515,420
- Reimbursement Rate: 40.00%
- MSBA Maximum Grant Amount: $10,206,168
- Town Meeting Vote: May 3, 2011
- Special Ballot Vote: June 15, 2011

Recommendation to move to project scope + budget

Marblehead - Site



Recommendation to move to

project scope + budget

Marblehead - Perspectives





Recommendation to move to project scope + budget

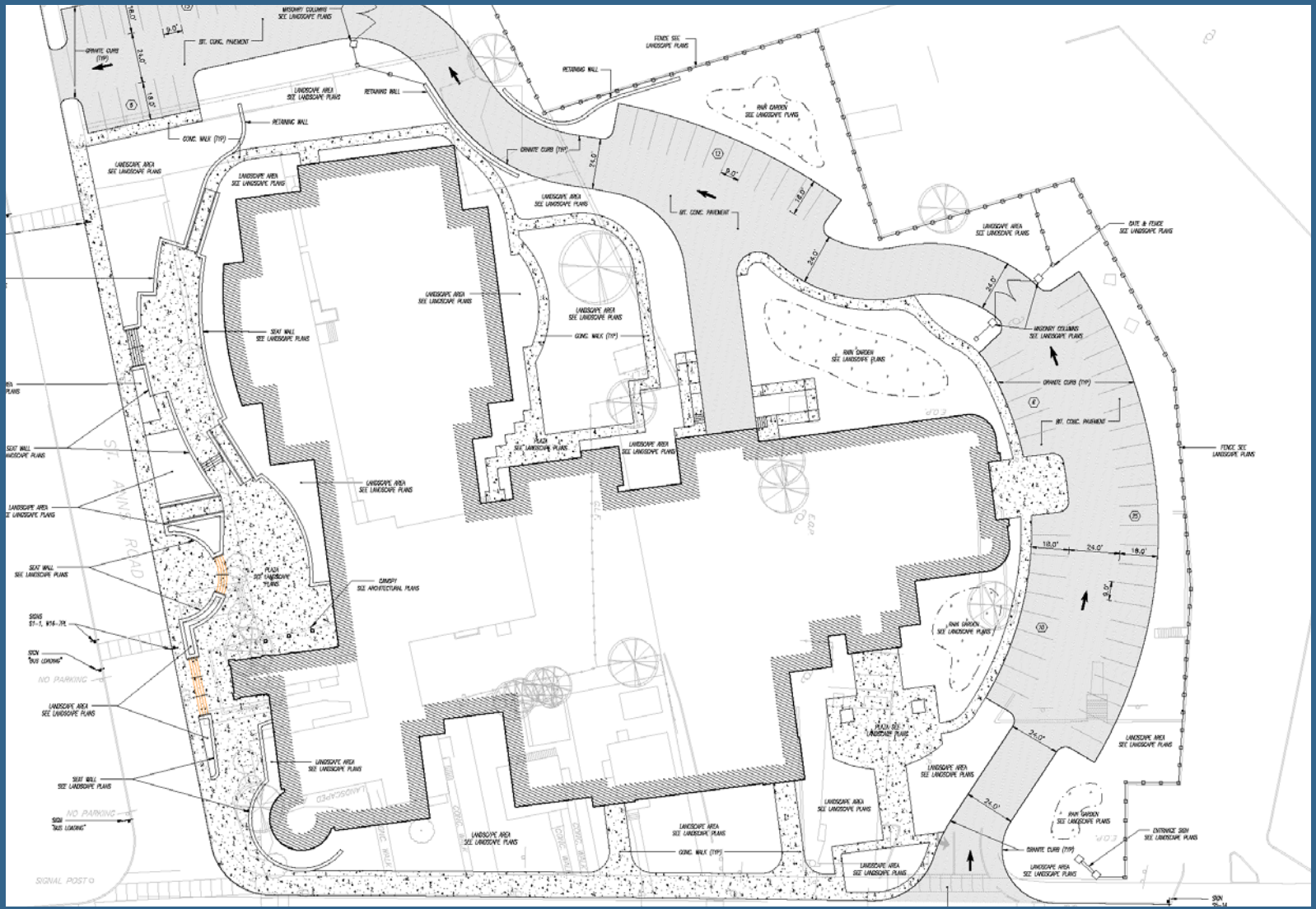
Project Scope and Budget

Quincy – Central Middle School

- Built in 1894
- New Model School:
  - New square footage: 114,975 sf
- Grades: 6-8
- District Total Project Budget: $50,000,265
- Basis of Maximum Grant Amount: $41,246,027
- Reimbursement Rate: 80.00%
- MSBA Maximum Grant Amount: $32,996,822
- City Council Vote: To Be Determined

Recommendation to move to project scope + budget

Quincy - Site



Recommendation to move to project scope + budget

Quincy - Perspectives





Recommendation to move to project scope + budget

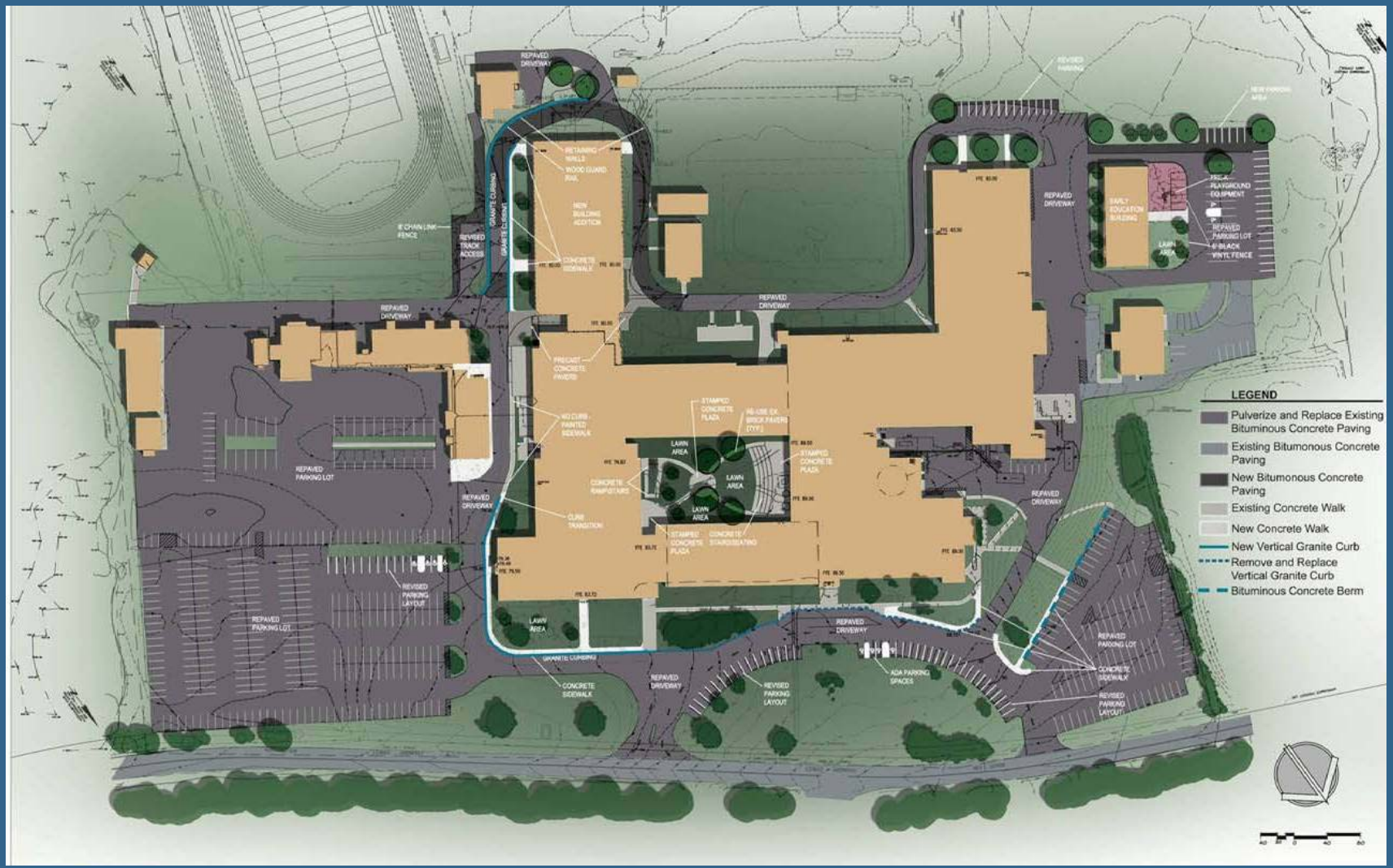
Project Scope and Budget

Southeastern Regional Voc. Tech High School

- Built in 1965
- Addition / Renovation:
  - New square footage: 16,960 sf
  - Renovated square footage: 292,800 sf
- Grades: 9-12
- District Total Project Budget: $32,997,475
- Basis of Maximum Grant Amount: $32,485,759
- Reimbursement Rate: 80.00%
- MSBA Maximum Grant Amount: $25,988,607
- District to receive town 'No Action' Letters by May, 2011

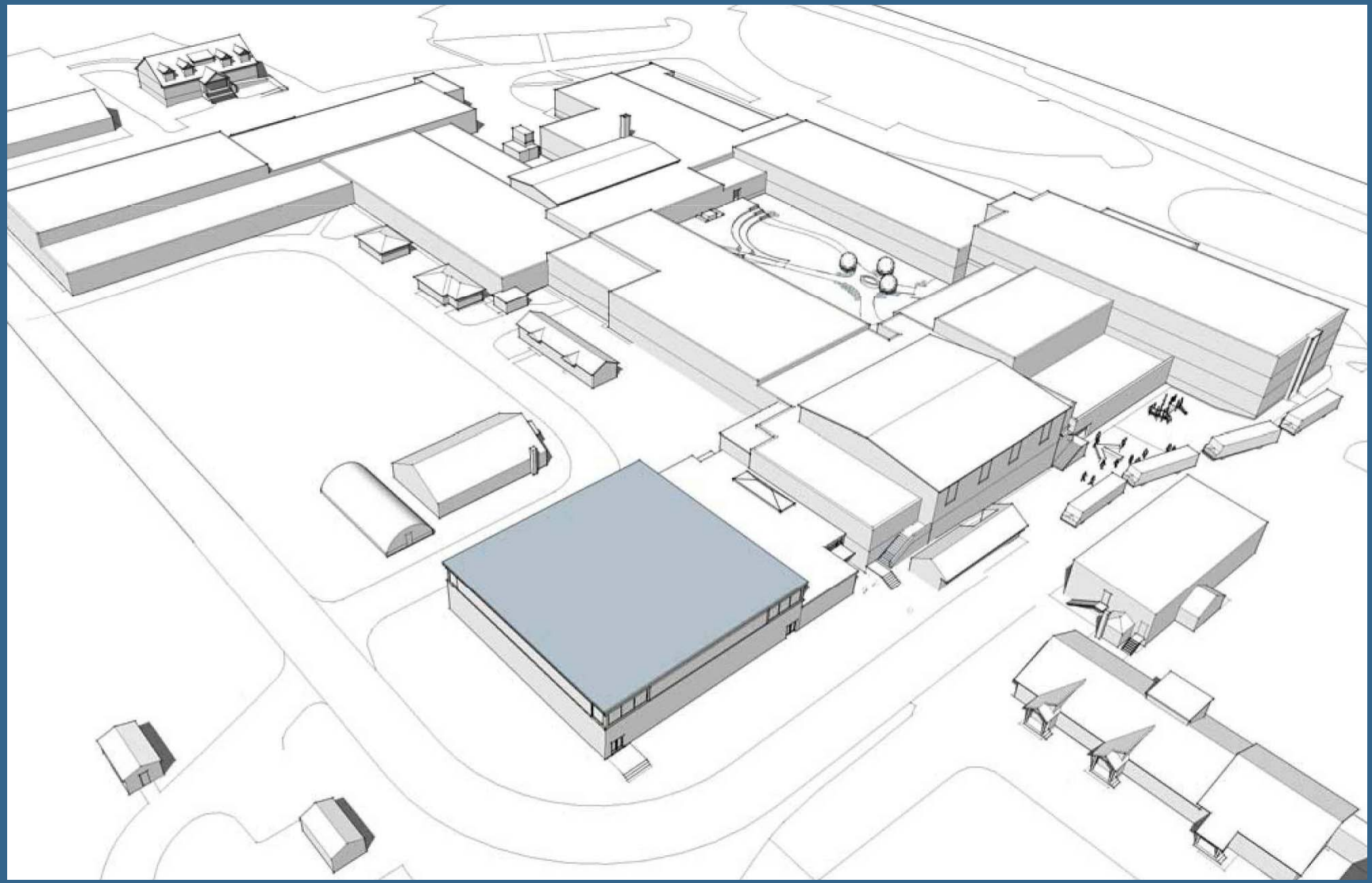
Recommendation to move to project scope + budget

Southeastern - Site



Recommendation to move to project scope + budget

Southeastern - Aerial



Project Scope and Budget

Springfield – Forest Park Middle School

- Placed on former School Building Assistance Program Waiting List in FY 2001
- Built in 1899
- Addition / Renovation:
  - New square footage: 8,800 sf
  - Renovated square footage: 140,000 sf
- Grades: 6-8
- District Total Project Budget: $43,403,082
- Basis of Maximum Grant Amount: $43,403,082
- Reimbursement Rate: 90.00%
- MSBA Maximum Grant Amount: $39,062,774
- City Council Vote: 2006

Recommendation to move to project scope + budget

Project Scope and Budget

West Springfield - High School

- Built in 1955
- New Model School:
  - New square footage: 257,525 sf
- Grades: 9-12
- District Total Project Budget: $107,559,319
- Basis of Maximum Grant Amount: $86,010,363
- Reimbursement Rate: 80.00%
- MSBA Maximum Grant Amount: $68,808,291
- City Council Vote: Anticipated May 2, 2011

Recommendation to move to project scope + budget

West Springfield - Site



West Springfield - Aerial



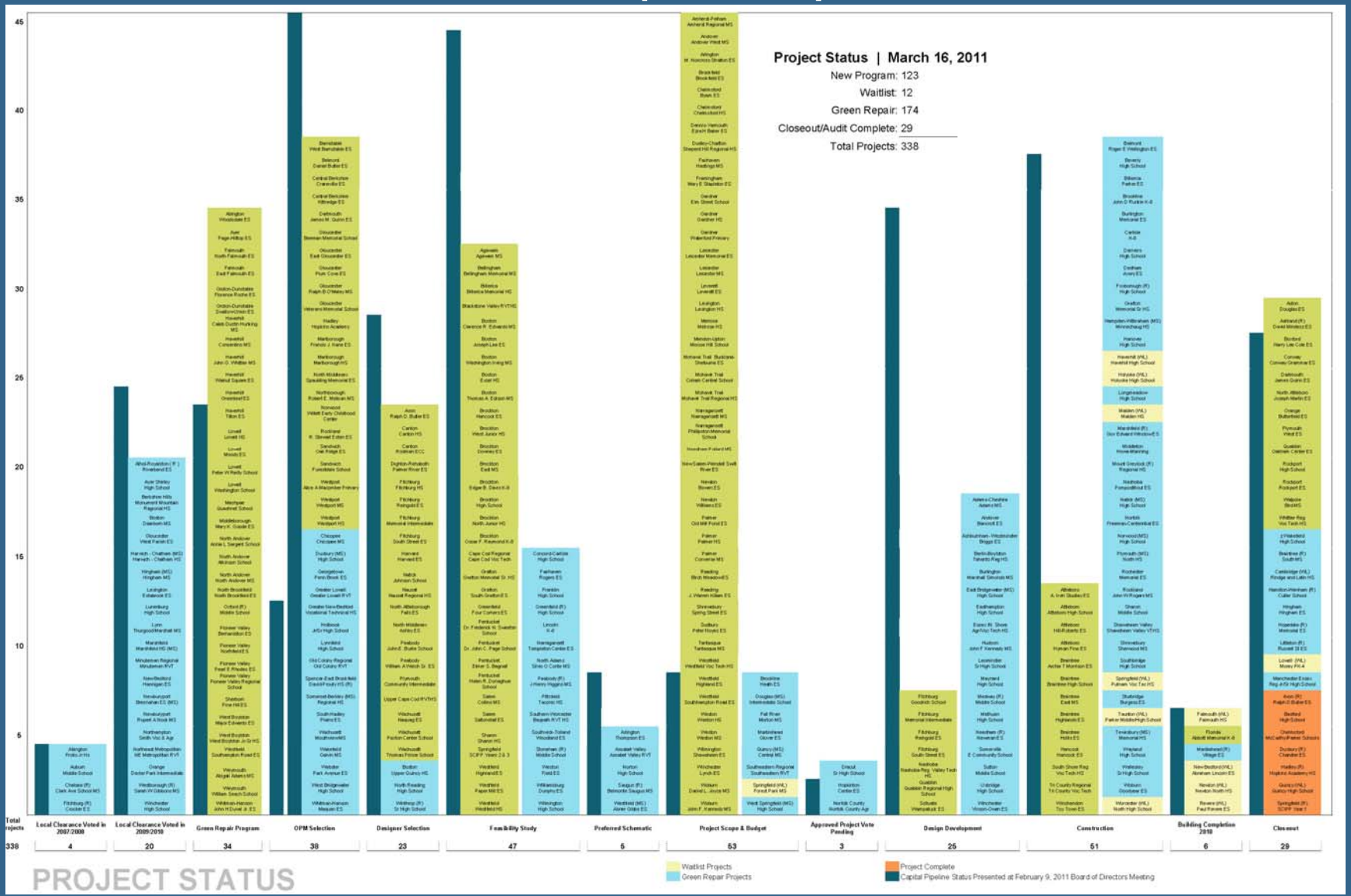


Recommendation to move to project scope + budget

Project Status Report

- Enrollment
  - 2 enrollments completed this period
  - Enrollments complete for projects for 70,760 students
- Owner's Project Manager
  - 1 district completed OPM procurement
  - 6 districts scheduled for April action
  - Over $74 million in OPM fees to date
- Designer Selection Panel
  - 6 districts participated in DSP – 2 interviews held
  - 1 district scheduled for DSP in April
  - Over $181 million in Designer fees
- Commissioning
  - 10 Commissioning consultant contracts executed this period for $821,786
  - Over $7 million in consultant contracts to date

MSBA Capital Pipeline



Design Development & Construction Phases

MSBA Staff Monitor Scope, Budget and Schedule

- 76 Projects at Estimated $2.18 Billion Total Construction Cost:
  - 25 Projects in Design Development ($0.70 Billion)
    - 13 Projects Break Ground in 2011
    - 22 Construction Bids in 2011 ($737.0 Million)
  - 51 Projects in Construction ($1.48 Billion)
    - 15 Buildings to be Completed in 2011

Design Development Phase

- 25 Total Projects in Design Development
  - 7 Green Repair Program Projects
  - 18 New Program Projects
    - 5 Elementary Schools
      - Andover, Ashburnham- Westminster, Needham, Somerville + Winchester
    - 4 Middle Schools
      - Burlington (Marshall Simonds), Hudson, Medway + Sutton
    - 2 Middle / High Schools
      - Adams-Cheshire + Berlin-Boylston Regional
    - 7 High Schools
      - East Bridgewater, Easthampton, Essex N. Shore Ag. + Tech., Leominster, Maynard, Methuen, + Uxbridge

Estimated Bid Dates

2011

2011 Estimated Bid Dates

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

Total Project Budget denotes total District costs and does not denote the basis of the MSBA Total Facilities Grant.

- Denotes bid phase in progress or complete
- Denotes estimated bid dates

DISTRICT *Projects Considering the CM @ Risk Method	DESIGN BASIS FOR ENROLLMENT	PROJECT BUDGET Shown in Millions	CONSTRUCTION BUDGET Shown in Millions	JAN – DEC
*SOUTHBRIDGE	1050	$76.5	60.1	Southbridge HS New Construction: Filed-Sub Bids rcv'd 1/7. GMP Issued 2/7.
*SHREWSBURY	900	$47.3	$37.0	Sherwood MS New Construction: Filed-Sub Bids rcv'd 2/7. GMP Targeted March.
SO. SHORE RVT	595	$3.2	$2.6	Regional VTHS Repair: Filed-Sub Bids rcv'd 1/7. G.C. Bids rcv'd 1/18. NTP Targeted May.
CARLISLE	700	$20.0	$15.6	Carlisle ES Addition/Renovation: Filed-Sub Bids rcv'd 1/26. G.C. Bids rcv'd 2/4. NTP Issued 2/9.
MARSHFIELD	485	$2.4	$2.0	Marshfield Edward Winslow ES Repair: Filed-Sub Bids rcv'd 1/14. G.C. Bids rcv'd 1/21. NTP Targeted April.
*UXBRIDGE	600	$43.0	$34.4	Uxbridge HS New Construction: Early Site & Steel Package rcv'd 1/13. Filed-Sub Bids Due 3/17. GMP Targeted March. CMR Complete.
*BURLINGTON	880	$32.9	$24.7	Marshall Simonds MS Addition/Renovation: CMR Complete. Filed-Sub Bids Due 3/22. GMP Targeted April.
BERLIN / BOYLSTON	560	$44.0	$34.2	Tahanto MS/HS New Construction: Filed-Sub Bids Due 4/4. G.C. Bids Due 4/20. NTP Targeted May.
EASTHAMPTON	510	$43.7	$33.5	Easthampton HS New Construction: Filed-Sub Bids Due 4/20. G.C. Bids Due 5/4. NTP Targeted June.
*LONGMEADOW	1000	$78.5	$63.8	Longmeadow HS New Construction: Filed-Sub Bids Due 4/25. GMP Targeted May.
SUTTON	840	$59.9	$46.4	Sutton MS New Construction: Filed-Sub Bids Due 4/4. G.C.Bids Due 4/20. NTP Targeted May.
*LEOMINSTER	1805	$45.9	$32.7	Leominster HS Addition/Renovation: Filed-Sub Due 5/19. GMP Targeted June.
*SOMERVILLE	500	$33.2	$15.2	East Somerville Community School Addition/Renovation: CMR RFP Due 2/22. Filed-Sub Bids Due 5/12. GMP Targeted June.
*ADAMS/CHESHIRE	805	$40.6	$30.0	Hoosac Valley MHS Addition/Renovation: Filed-Sub Bids Due 5/19. GMP Targeted May.
MAYNARD	410	$45.8	$35.6	Maynard HS New Construction: Filed-Sub Bids Due 6/23. G.C. Bids Due 7/7. NTP Targeted August.
HUDSON	715	$44.1	$34.8	JFK MS New Construction: Filed-Sub and G.C. Bids Targeted August & September. NTP Targeted September.
*METHUEN	2075	$99.1	$74.9	Methuen HS Addition/Renovation: Filed-Sub Bids Due 6/30. GMP Targeted Sept-Oct.
Subtotal	14,430	$760.1	$577.5	

Note: These numbers are based on preliminary information received from the District and are subject to further review and calculation.

Estimated Bid Dates

2011

2011 Estimated Bid Dates

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

Total Project Budget denotes total District costs and does not denote the basis of the MSBA Total Facilities Grant.

- Denotes bid phase in progress or complete
- Denotes estimated bid dates

DISTRICT *Projects Considering the CM @ Risk Method	DESIGN BASIS FOR ENROLLMENT	PROJECT BUDGET Shown in Millions	CONSTRUCTION BUDGET Shown in Millions	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
*MEDWAY	853	$22.1	$18.2								Medway MS Repair: Filed-Sub Bids Due 9/2. GMP Targeted October.				
EAST BRIDGEWATER	950	$77.1	$60.3								East Bridgewater HS New Construction: Filed-Sub and G.C. Bids Targeted September to October. NTP Targeted in October				
*ANDOVER	680	$44.7	$34.5						Bancroft ES New Construction: Early Site Packages Due 7/15. Early Foundation and Steel Packages Due 9/7.					Filed-Sub Bids Due 10/30. GMP Targeted December	
WINCHESTER	420	$28.7	$21.7										Vinson-Owen ES New Construction: Filed-Sub Bids 11/24/11. G.C. Bids 12/15/11. NTP Targeted in January 2012.		
*ASHBURNHAM-WESTMINSTER	520	$30.0	$24.8										JR Briggs ES New Construction: Filed-Sub and G.C. Bids Targeted November to February. NTP Targeted in March		
Subtotal	3,423	$202.6	$159.5												
GRAND TOTAL	17,853	$962.7 M	$737.0 M												
Number of Construction-Related Employment			3,685												

2012

2012 Estimated Bid Dates

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

Total Project Budget denotes total District costs and does not denote the basis of the MSBA Total Facilities Grant.

- Denotes bid phase in progress or complete
- Denotes estimated bid dates

DISTRICT *Projects Considering the CM @ Risk Method	DESIGN BASIS FOR ENROLLMENT	PROJECT BUDGET Shown in Millions	CONSTRUCTION BUDGET Shown in Millions	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
*ESSEX-NS	1440	$125.0	96.5			Essex Northshore HS New Construction: Early Site Packages 11/21/11 - 1/19/12. Filed-Sub Bids Due 3/1/12. GMP Targeted April.									
Subtotal	1,440	$125.0	$96.5												
GRAND TOTAL	1,440	125.0 M	96.5 M												
Number of Construction-Related Employment			483												

Note: These numbers are based on preliminary information received from the District and are subject to further review and calculation.

Construction Projects

MSBA Staff Monitor Scope, Budget and Schedule

- 51 Projects in Construction
  - 13 Green Repair Program Project
  - 13 Elementary Schools
    - Belmont, Billerica, Brookline, Burlington (Memorial), Carlisle, Dedham, Marshfield, Middleton, Nashoba, Norfolk, Rochester, Sturbridge + Woburn
  - 5 Middle + Middle/High Schools
    - Rockland, Sharon, Shrewsbury, Southbridge +Taunton
  - 20 High Schools

Repair	Add/Reno	New	Models
Foxborough	Beverly	Grafton	Hampden-Wilbraham
Haverhill	Danvers	Hanover	Natick
Holyoke	Malden	Longmeadow	Norwood
Mt. Greylock Reg.	Shawsheen Valley	Springfield Voc Tech	Plymouth North
		Wayland	Tewksbury
		Wellesley	
		Worcester North	

Summary of Bid Data

Year	Number of Projects	Design Basis for Enrollment	Project Budget	Construction Budget
2009	11	8,188	$205.6 M	$171.5 M
2010	33	26,184	$1.37 B	$1.07 B
2011	22	17,853	$962.7 M	$737.0 M
2012	1	1,440	$125 M	$96.5 M
Grand Total	67	53,665	$2.67 B	$2.07 B

Note: These numbers are based on preliminary information received from the District and are subject to further review and calculation.

- Of the 22 projects scheduled to bid in 2011, 3 G.C. bids have been received and 1 GMP executed.
- To date, the bid savings for the 2011 projects is $2.1M with potential grant savings of $1.2M.
- Bids received in March: Uxbridge (FSBs), Burlington (FSBs)
- Anticipated Bids:

  April – Berlin/Boylston and Sutton

  May – Easthampton, Longmeadow, Leominster, Somerville and Adams/Cheshire

Project Estimate vs. 2011 Bid Amount

			Total	$204,291,507	$196,987,039	$7,304,468	-	$4.3M
District	**School**	**Scope**	**Bid Date**	**Construction Estimate**	**Bid Amount**	**Bid Savings**	**Reimbursement Rate**	**Potential Grant Savings ***
So. Shore RVT	Regional VTHS	Repair	Jan-11	$2,642,370	$2,311,007	$331,363	52.06%	$172K
Marshfield	Edwards Winslow ES	Repair	Jan-11	$1,868,688	$1,606,479	$262,209	46.37%	$122K
Southbridge	Southbridge HS	New	Jan-11	$60,165,207	$59,407,632	$757,575	80.00%	$606K
Carlisle	Carlisle K-8	Add/Reno	Feb-11	$15,644,463	$14,889,000	$755,463	40.00%	$302K
Grafton	Memorial Sr HS	New	Dec-10	$57,444,991	$54,149,289	$3,295,702	56.89%	$1.87M
Rockland	J. Rogers MS/HS	New	Dec-10	$66,525,788	$64,623,632	$1,902,156	64.26%	$1.22M

Note: These numbers are based on preliminary information received from the District and are subject to further review and calculation.

MSBA Model School Program

Phase V - Status Update

Request for Designer Services targeted at public schools of any and all grade configurations issued on October 27, 2010, submissions received on December 2, 2010

- Initial Phase:
  - Recommendations presented to MSBA Facilities Assessment Subcommittee meeting on February 23, 2011
  - 8 of the 13 schools recommended for the second phase
- Second Phase
  - Of the 8 schools recommended for the second phase:
    - 3 were visited and are under consideration (Webster MS, Manchester-Essex RHS, Littleton MS)
    - 1 was recommended for the Model School Program (Shrewsbury HS)
    - 4 are currently being scheduled for visits (Lanesborough ES, New Bedford Lincoln ES, Malden Ferryway K-8, Woburn Malcolm White ES)
- Third Phase
  - Final Evaluation and recommendation

Shrewsbury High School

- District: Shrewsbury
- Designer: Lamoureux Pagano Associates
- Grades Served: 9-12
- Design Enrollment: 1700
- GSF: 265,000



Shrewsbury High School

We recognize the positive aspects of the submitted project, as described below, and **recommend** this project as a Model School, subject to and contingent upon the Designer agreeing to meet a number of conditions. In order for the MSBA to approve this school as a Model School, the Designer must acknowledge and agree to make a number of changes to the design of the school, including the items listed below as "conditional approval items".

Assets Recognized:

- Easily adaptable to other sites
- Flexible for future expansion
- Well configured floor plan
- Gym and auditorium are easily isolated for public events
- Ample natural lighting

Conditional Approval Items Include:

- Determine final enrollment number
- Resize spaces to conform to MSBA guidelines
- Relocate core/commons toilet rooms for better public access
- Enlarge serving area in kitchen
- Consider more cost effective flooring and siding materials
- Provide second elevator by gym/auditorium
- Reconfigure circulation at "B-wing" to alleviate traffic
- Omit pre-school space

model school update

Audit Status Update

- Former Program Projects
  - MSBA has completed final audits of 767 of the 789 Former Program projects totaling over $14 billion in submitted costs;
  - Achieved audit savings of over $1.1 billion, and
  - Audited over $840 million in costs for the 22 remaining Waiting List projects currently submitting monthly requests for reimbursement.
- New Program Projects
  - MSBA has completed final audits for 27 projects totaling over $145 million in submitted costs, and
  - Audited over $518 million in costs for the 120 projects currently submitting monthly requests for reimbursement.

Today's Board Votes

New Program Final Audits (Exhibit D)

- Granby Jr./Sr. High School Feasibility Study
- North Attleborough Joseph W. Martin Jr. Elementary School Green Repair
- Walpole Bird Middle School Green Repair
- Grants totaling $922K to be voted on today

audit status update

Granby Jr. Sr. High School Close-out Audit

- New Program
- Feasibility Study
- Estimated Budget: $900,000
- Final Project Costs Submitted: $695,466
- Total Audited Eligible Project Costs: $694,974
- Reimbursement Rate: 59.21%
- Final Total Facilities Grant: $411,494
- Audit Savings: $205,026

North Attleborough Joseph W. Martin Jr. Elementary School Close-out Audit

- Green Repair
- Roof Project
- Estimated Budget: $633,365
- Final Project Costs Submitted: $614,912
- Total Audited Eligible Project Costs: $614,912
- Reimbursement Rate: 52.06%
- Final Total Facilities Grant: $320,123
- Audit Savings: $18,453

Walpole Bird Middle School Close-out Audit

- Green Repair
- Roof Project
- Estimated Budget: $403,473
- Final Project Costs Submitted: $403,473
- Total Audited Eligible Project Costs: $403,473
- Reimbursement Rate: 47.21%
- Final Total Facilities Grant: $190,480