



Town of Hanover, Massachusetts
Hanover High School



PMA Construction Services
Owner's Project Manager

HANOVER HIGH SCHOOL PROJECT

March 2011 – Monthly Status Report

Project:	Hanover High School	Building Size:	157,000	Ph1 Substantial Completion:	June 2011
Current Phase:	Construction	Enrollment Projection:	800 Students	Ph2 Substantial Completion:	May 2012
Construction Type:	NEW	Facility Type:	High School	Project Total Duration:	32-months
Construction Start Date:	28Sep09	Reimbursement Rate:	48.21%	Day 549 of 611 to Ph1 Substantial:	89.9%

Project Safety Report

Safety Incidents this Month • [0]
Past Lost Time Incidents • [1]
Past Minor Reportable Incidents • [2]

Open Scope / Potential Issues

- Terrazzo schedule impact mitigation
- Procurement of window treatments
- Auditorium construction progress and manpower
- Mover selection, procurement and coordination
- Stair tower 2 and 5 tile installation
- Rooftop unit start-up, testing and balancing
- Telephone, network and security vendor coordination
- Verizon and Comcast installation coordination
- Commissioning coordination
- IT equipment procurement and installation coordination
- FF&E selection, procurement and coordination
- Preparation for move to new building & vacate existing
- Equipment startups, testing and owner training
- Phase 1A Punch List
- Community Issues – none at this time.

Budget Status

Total Project Budget: \$50,899,971 as of 3/31/11
Actual Incurred to Date: \$39,016,552 as of 3/31/11* (89.7%)
Contingency Remaining: \$1,071,111 (40.8%)
***Subject to Final Revised PFA Agreement*

Construction Cost Summary:

Award Value (Callahan):	\$38,652,255.00
Previously Executed CO's (Net)	\$1,334,622.88
Previous Contract Value:	\$39,986,877.88
CO's Executed this Month:	\$0.00

Current Contract Value:	\$39,986,877.88
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Construction Payment Summary:

Previous Gross Amount:	\$30,691,879.94
This Month's Gross Amount:	\$1,969,944.00
Gross Amount to-Date:	\$32,661,823.94
Retainage To-Date @ 5%:	\$1,633,091.20
Retainage Released	-\$74,215.57
Current Retainage	\$1,558,875.63

Total Net Payable To-Date:	\$31,102,948.31
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Remaining Balance to Finish gross):	\$7,325,053.94
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Project Status

March 2011 Progress

- | | |
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| <ul style="list-style-type: none"> • PMA Performed OPM Duties (i.e. contract document compliance verification, project controls, real-time issues ID and resolution) • Designer Continued Construction Administration (i.e. submittals, RFIs, weekly site visits, QA/QC, etc) • Complete 3rd Floor Casework • 3rd Floor Doors Installed, 1st Underway • Kitchen Equipment Delivered | <ul style="list-style-type: none"> • 1st Floor Wall Board 95% Complete • Gym Paint & Primer Complete • Building A Ceiling Grid 85% Complete • 1st Floor Ceramic 50% Complete • Mechanical Room Rough MEP Approx 97% Complete • Building Commissioning Continued • Building B Classroom Rubber Floor 90% Complete |
|---|--|

April 2011 Forecasted Items

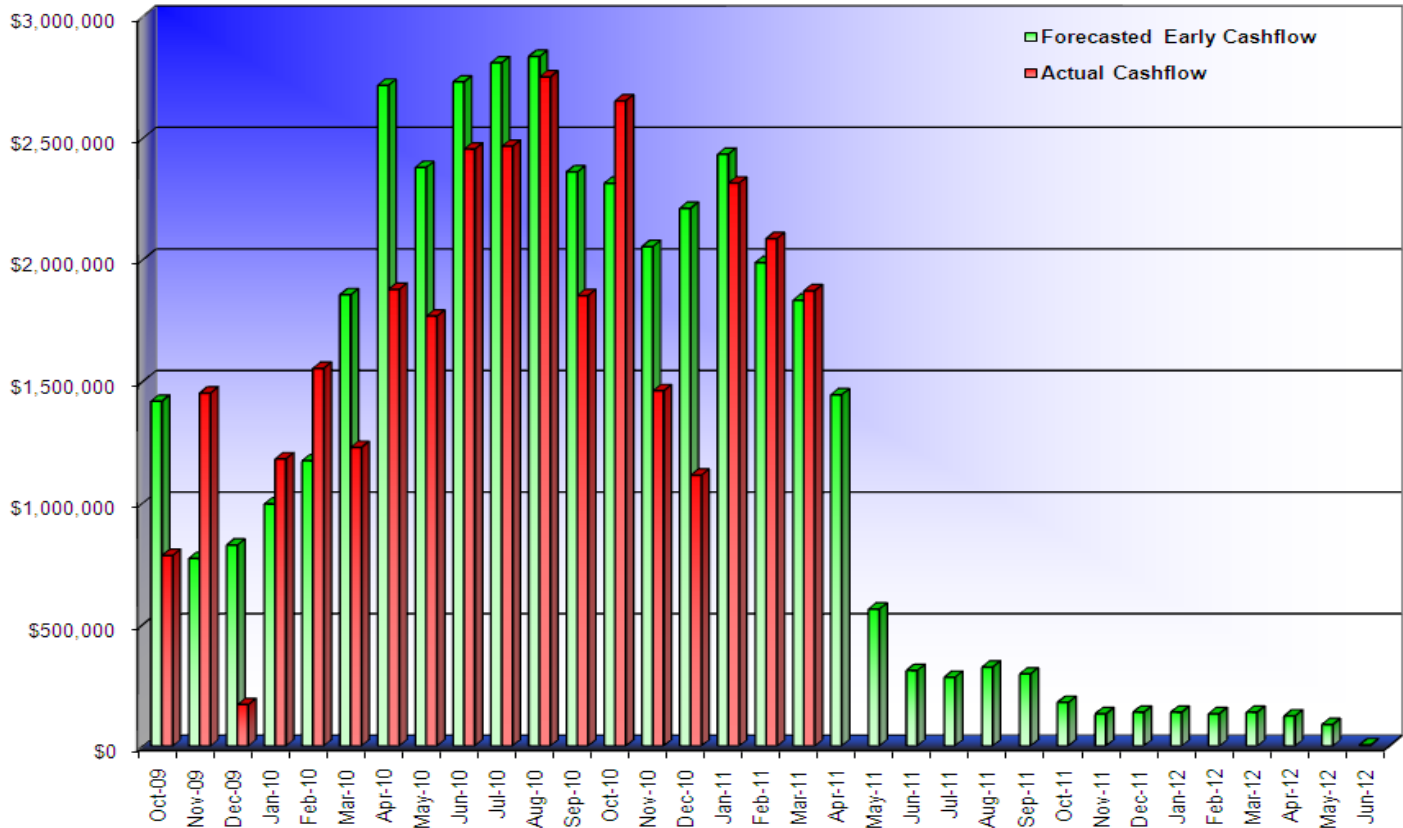
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| <ul style="list-style-type: none"> • Complete Sheetrock in Building A • Complete 1st Floor Prime/Paint • Complete Terrazzo Base Installation • Complete 1st Floor Tile Installation • Continue Kitchen Equipment Installations • Continue Terrazzo Install | <ul style="list-style-type: none"> • Complete Metal Panel Installation • Complete Auditorium Rough MEP • Complete Building B Above Ceiling Inspections / Commissioning • Complete B Building Radiant Panel/Fin-tube Heating Installation • Start-up and Balance RTU's • Complete Phase 1A Punchlist |
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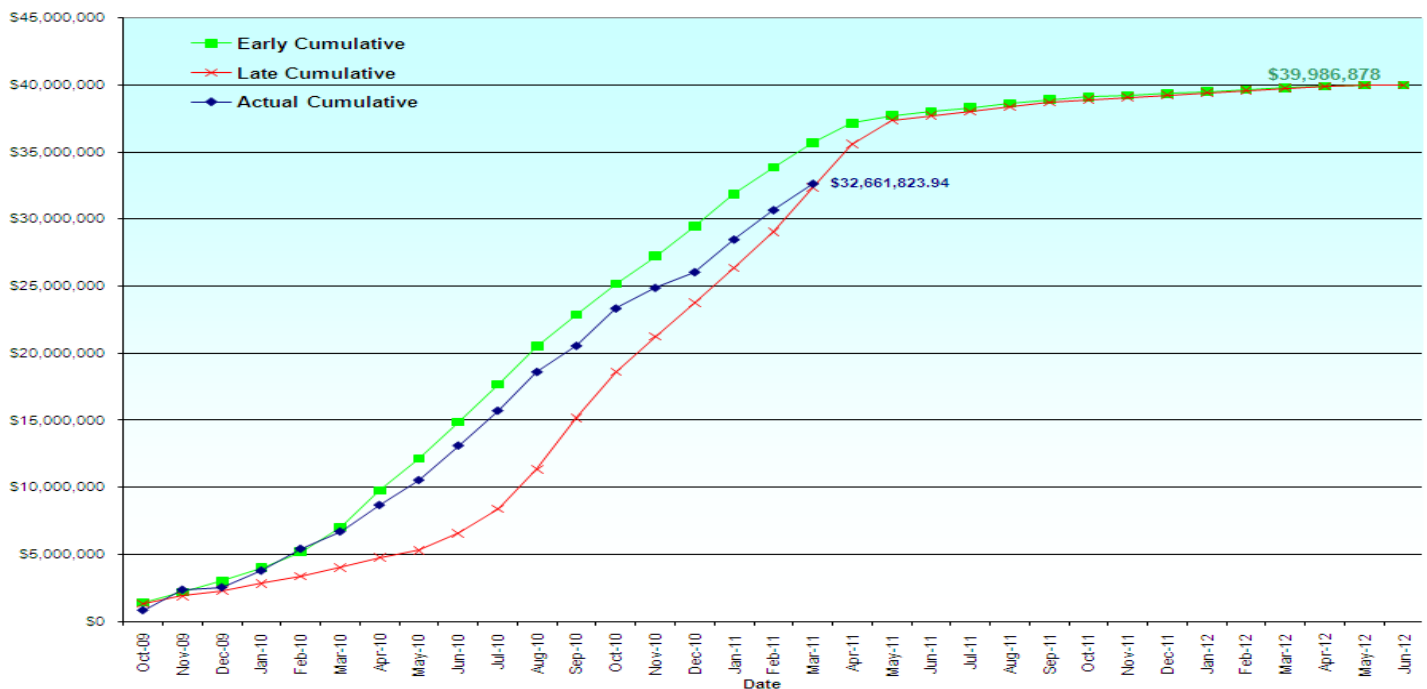
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Monthly Cashflow Projection



Cumulative Cashflow Projection



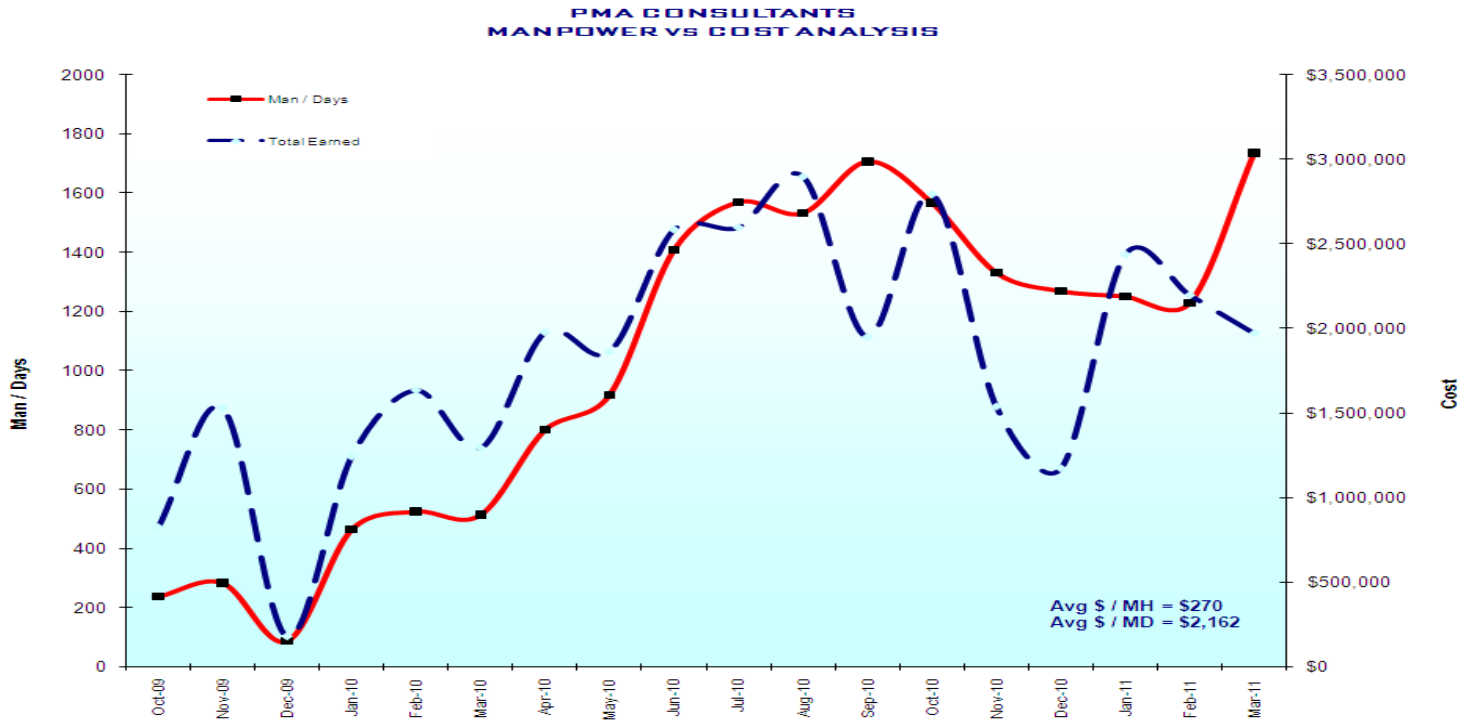


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Manpower vs Cost Analysis



Milestone Dates

Milestone Dates	Baseline	Forecast	Actual	Status	Schedule Notes
Construction Start - NTP	1Oct09		28Sep09	✓	On Schedule
Begin Casework / Millwork	03Feb11		17Jan11	✓	On Schedule
Begin Terrazzo Flooring Install	N/A		21Feb11	✓	On Schedule
Begin Classroom Floor Treatments	17Feb11		28Feb11	✓	On Schedule
Ph1A Substantial Completion	1Sep10		21Mar11	✓	No Critical Path Impact – Float Utilized
Begin Auditorium Stage Construction	24Mar11	12Apr11			Critical Path Impact – Working to Mitigate
Complete Prime / Paint 1 st Coat Entire Bldg	15Mar11	22Apr11			Critical Path Impact in Auditorium Area – Working to Mitigate
Complete Startup Checkout HVAC Systems	23Dec10	29Apr11			No Critical Path Impact – Float Utilized
Phase 1 Substantial Completion	1Jun11	08Jun11			Critical Path Impact by Auditorium Progress & Terrazzo Change

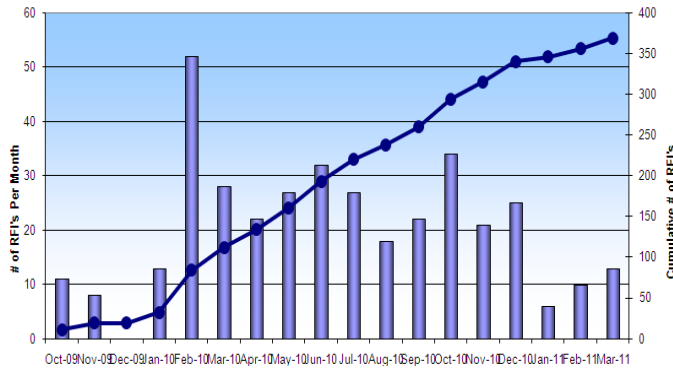
HS15 Schedule Submission (HS16 submission not yet received)

Contract Milestone Analysis					<ul style="list-style-type: none"> The primary critical path to Phase 1 substantial completion in the HS15 schedule submission flows through the auditorium ceilings, wall panels, mechanical/electrical finishes, sprinkler drops, prime/paint, flooring, specialty equipment, seating, railings, doors/hardware, HVAC testing and balancing & final inspections. This path currently displays -5 days of total float. The secondary critical path to Phase 1 substantial completion is driven by the Band/Chorus Room ceilings, mechanical/electrical finishes, sprinkler drops, paint, millwork/casework, floors and doors/hardware. This path currently displays -2 days of total float.
Phase	Contract	HS14	HS15	Float	
Ph1 Substantial	01Jun11	16Jun11	08Jun11	-5	
Ph1A Substantial	01Jun11	07Feb11	08Mar11	60	
Ph2 Substantial	01May12	02May12	25Apr12	3	

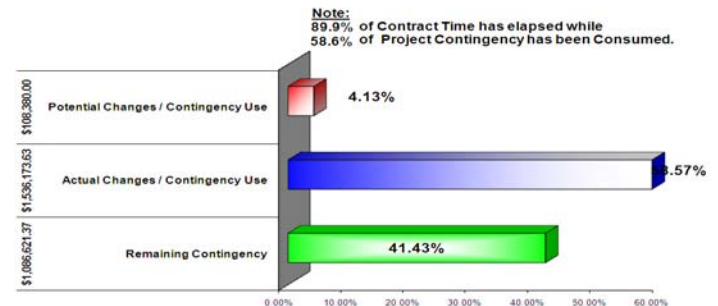


Graphs & Data

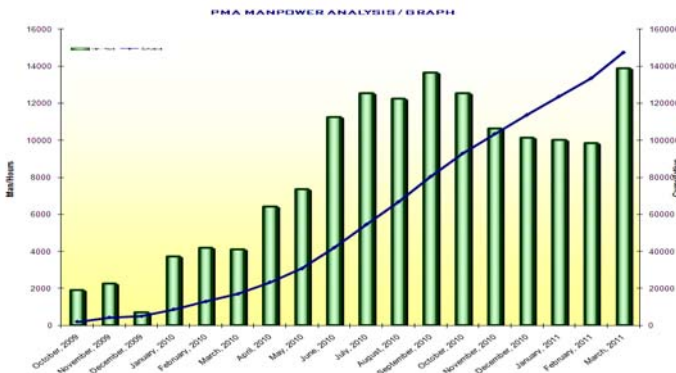
Requests for Information (RFIs)



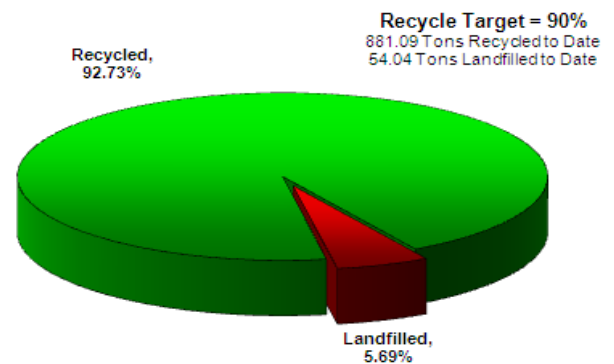
Contingency Utilization



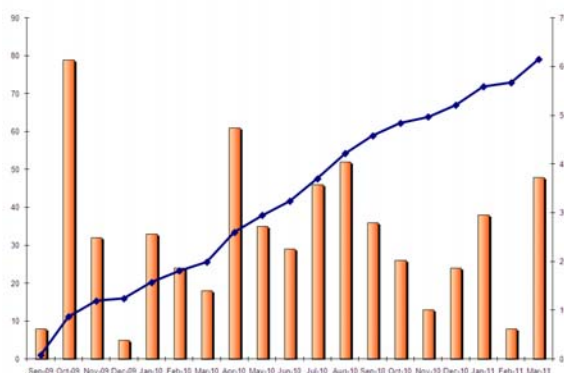
Monthly Manpower



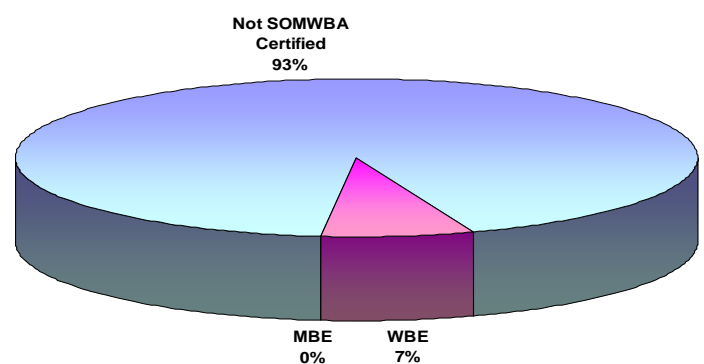
MA-CHPS Waste Management



Economic Impact – Work Force Employed To-Date



MBE / WBE Participation



PMA Change Management

	Received	Description	Proposed Amount (\$)	Pending Amount (\$)	Approved Amount (\$)	Time Extension (Y/N)	Current Status
		Total	\$2,170,876.21	\$108,380.00	\$1,401,838.84		
PCO #09A	3/29/2011	Added Soffit at Rain Leaders in Room B304 and B305	\$1,127.00	\$1,127.00		N	Open
PCO #100	3/5/2011	Added Diffuser & Insulation per RFI#349	\$3,263.00	\$2,821.00		N	Open
PCO #105	3/16/2011	Resheave EF-5, 6 & 18 per RFI #350	\$1,116.00	\$860.00		N	Open
PCO #109	3/31/2011	Loading Dock Column Cover	\$6,782.00	\$6,782.00		N	Open
PCO #114	4/1/2011	SS Convector Cover per PR# 14	\$3,856.00	\$3,856.00		N	Open
PCO #18.1	7/30/2010	Cedar St. Grind & Re-pave	\$49,599.93	\$35,554.00		N	Open
PCO #85	1/22/2011	Hardware Changes (TCI)	\$3,455.00	\$3,455.00		N	Open
PCO #87	1/22/2011	Tile Alignment & Transition	\$9,152.00	\$533.00		N	Open
PCO #94	2/21/2011	Fire Rated Glass at BL -7 Frames per RFI #341	\$25,440.00	\$0.00		N	Open
PCO #95	2/28/2011	Dimmer Closer at Stage per ASI #82R1	\$37,326.00	\$33,064.00		N	Open
PCO #97.1	3/18/2011	Sewage Dosing pump per PR#12	\$24,635.00	\$13,924.00		N	Open
PCO #98	3/4/2011	Added Café Lighting per ASI#87R	\$6,404.00	\$6,404.00		N	Open



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Progress Photos

Concessions Building Lettering



Science Tower Acoustical Panels



Kitchen Equipment



East Elevation Metal Panels



Chemistry Lab Casework



Gym Overhead Equipment

