



Town of Hanover, Massachusetts
Hanover High School



PMA Construction Services
Owner's Project Manager

HANOVER HIGH SCHOOL PROJECT *June 2010 – 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 275 of 611 to Ph1 Substantial:	45.0%

Project Safety Report

Safety Incidents this Month • [0]
Past Major Incidents • [0]
Past Minor Reportable Incidents • [2]

Open Scope / Potential Issues

- Slab on grade placement to begin 1st floor interior buildout
- Getting building weathertight to begin electrical work
- Building façade construction (pending brick delivery)
- Subsurface infiltration bed #2 installation before students return
- Gas line installation to Cedar Elementary before students return
- Irrigation well boring, sampling & flow tests
- Procurement of athletic field turf
- Science room layout modifications
- Replacement of existing asbestos containing water main under future driveway
- Coordination of electrical utility cable pulls & XFMR installation
- Terrazzo contract procurement & schedule integration
- Construction of athletic field drainage system
- Community Issues – none at this time.

Budget Status

Total Project Budget: \$50,076,069* as of 6/30/10
Actual Incurred to Date: \$14,882,193 as of 6/30/10 (29.7%)
Contingency Remaining: \$2,269,494 (86.5%)
**Subject to Final Revised PFA Agreement*

Construction Cost Summary:

Award Value (Callahan):	\$38,652,255.00
Previously Executed CO's (Net)	\$125,754.97
Previous Contract Value:	\$38,778,009.97
CO's Executed this Month:	\$0.00
Current Contract Value:	\$38,778,009.97

Construction Payment Summary:

Previous Gross Amount:	\$10,534,658.38
This Month's Gross Amount:	\$3,069,263.00*
Gross Amount to-Date:	\$13,603,921.38*
Retainage To-Date @ 5%:	\$680,196.07*
Retainage Released	\$0.00
Current Retainage	\$680,196.07*
Total Net Payable To-Date:	\$12,923,725.31*

Remaining Balance to Finish (gross): **\$25,174,088.59***

*Note: June Requisition Not Yet Finalized

Project Status

June 2010 Progress

- 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)
- Site Drainage & Utility Installation 90% Complete
- Slab on Deck Concrete Placement Complete
- 50% of Bldg Slab on Grade Placed
- Auditorium Stage / Pit / Seating Concrete Poured
- CMU Walls @ Gym Underway
- 2nd Floor Framing Complete, 3rd Floor Approximately 50%
- Exterior Sheathing 80% Complete
- 2nd Floor Mechanical, Fire & Plumbing 90% Complete
- Maintenance & Concession Bldg Façade Underway
- Roofing Installation 85% Complete
- Fireproofing Approximately 85% Complete
- Field & Track Drainage System Installation 95% Complete

July 2010 Forecasted Items

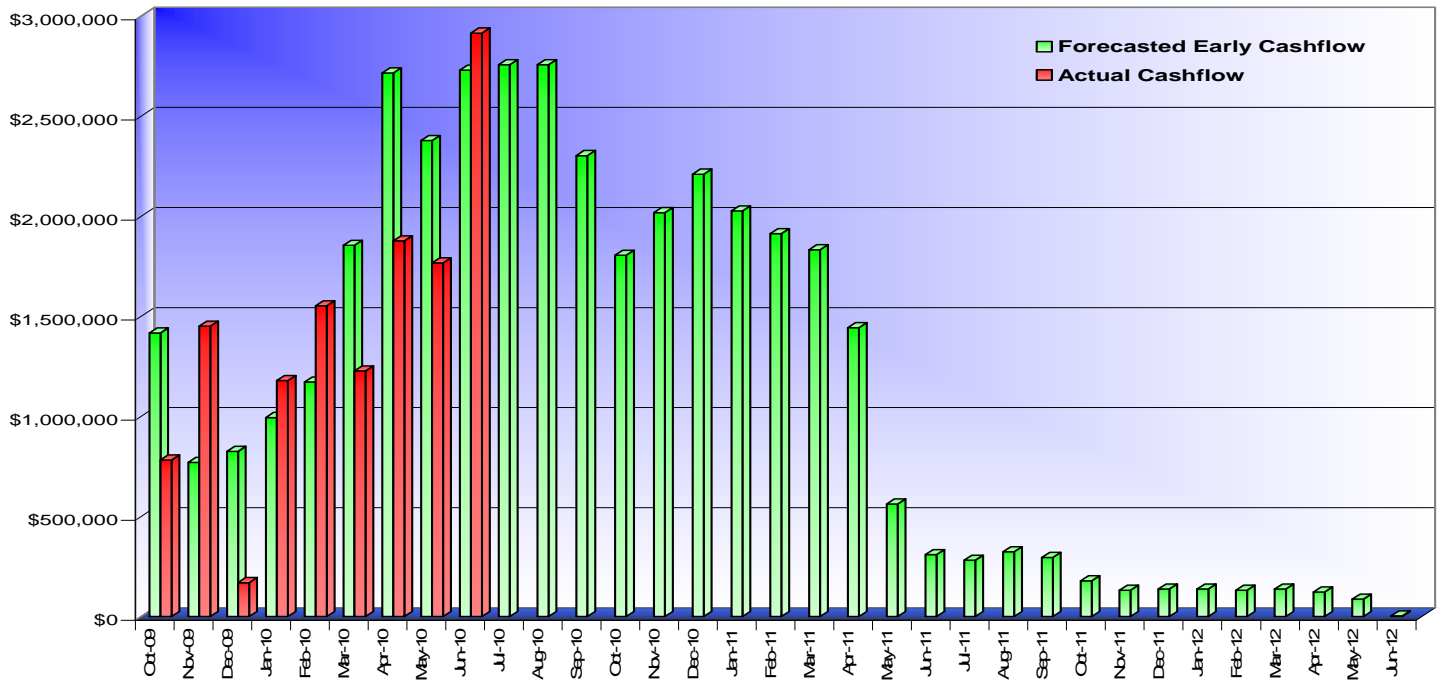
- Get Classroom Wing Weathertight & Begin Electrical
- Complete Slab on Grade Placement
- Continue Construction of Outbuildings, Complete Façades
- Continue Athletic Field Construction, Prep Turf Sub-Base
- Set Light Poles at Athletic Field
- Complete Roof Installation
- Complete Fireproofing
- Drill Irrigation Well & Perform Pump Test
- Asphalt Binder Installation at Parking Areas
- Infiltration Bed Installation at Rear Parking Lot of Existing Bldg



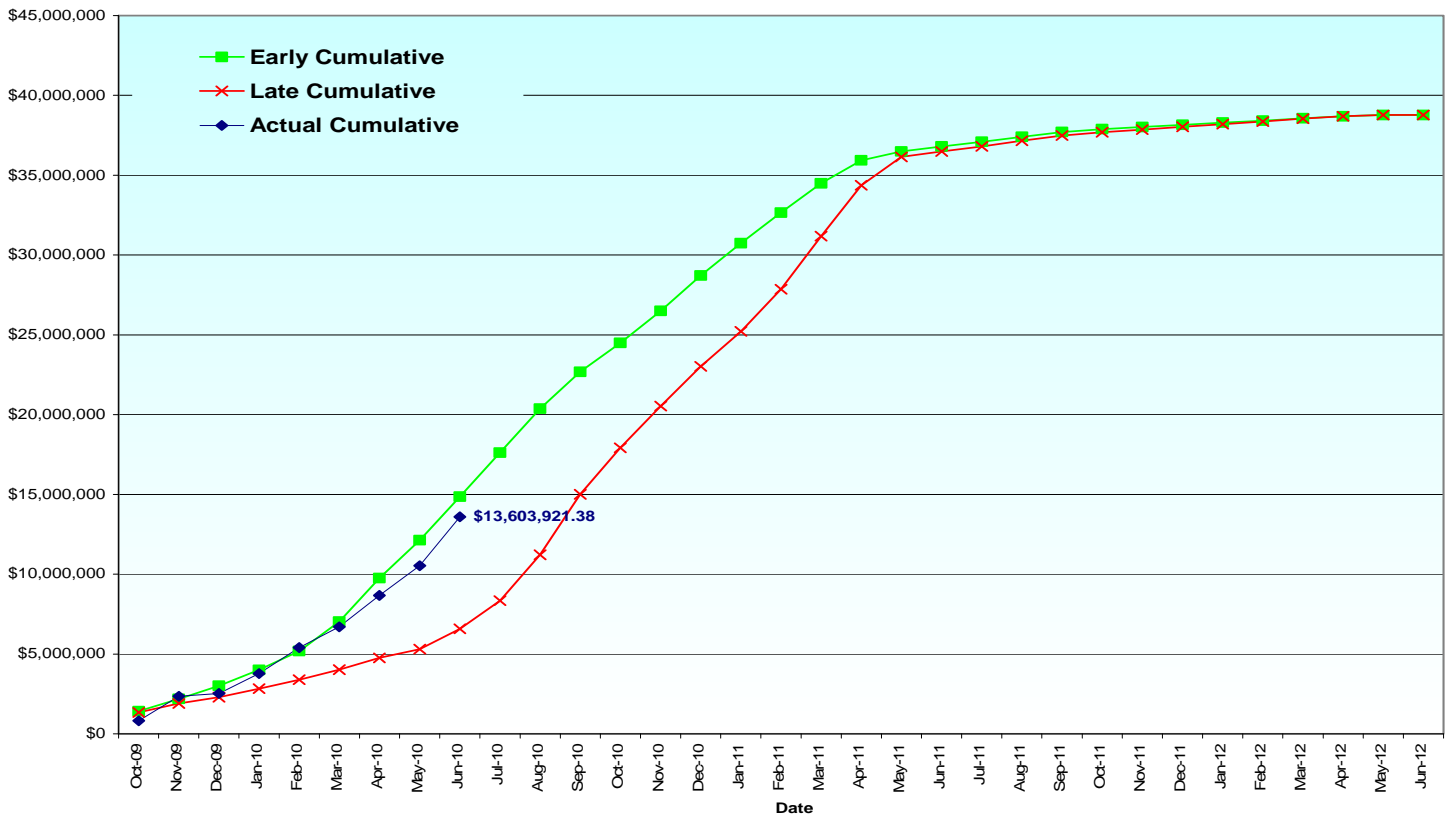
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Monthly Cashflow Projection



Cumulative Cashflow Projection



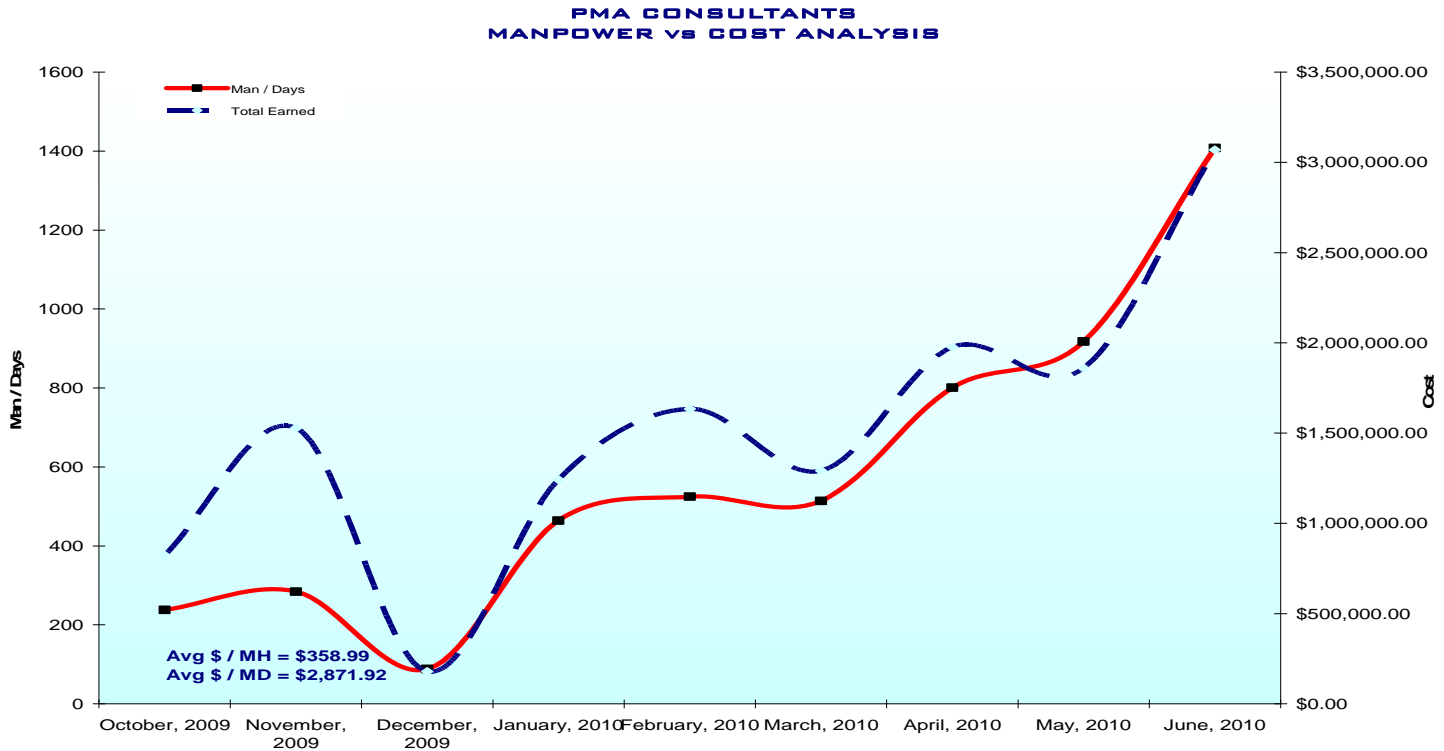


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Manpower vs Cost Analysis



Milestone Dates

Milestone Dates	Baseline	Forecast	Actual	Status	Schedule Notes
Construction Start - NTP	01Oct09		28Sep09	✓	On Schedule
OH MEP Work Start Milestone	20Apr10		12Apr10	✓	On Schedule
Building Envelope Start Milestone	28Apr10		26Apr10	✓	On Schedule
Begin Slab on Grade Placement	05Feb10		27May10	✓	No Critical Path Impact – Float Utilized
Weather Tight - Class Room Wing	27Jul10	27Jul10		✓	On Schedule
Weather Tight - Cafetorium	31Aug10	27Jul10		✓	On Schedule
Weather Tight - Gymnasium	27Aug10	19Aug10		✓	On Schedule
Weather Tight - Auditorium	31Aug10	23Aug10		✓	On Schedule
Ph1A Substantial Completion	15Oct10	31Aug10		✓	On Schedule

HS06 Schedule Submission (HS07 June Update Not Yet Submitted)

Contract Milestone Analysis

Phase	Contract	HS05	HS06	Float
Ph1 Substantial	01Jun11	07Jul11	01Jun11	0
Ph1A Substantial	01Jun11	04Jan11	31Aug10	193
Ph2 Substantial	01May12	06Jun12	01May12	0

- The primary critical path to Ph1 Substantial Completion currently runs through the Kitchen Equipment submittal & approval process and is showing 0 days of Total Float. This path continues to completion of UG plumbing/electrical, placement of slab-on-grade, interior layout/framing, in-wall electrical/plumbing, interior finishes, equipment start-up, and testing/inspections.
- The secondary path to Ph1 Substantial Completion displays 3 days of total float and currently flows through Auditorium exterior framing/sheathing/AVB activities to the Auditorium Weather-Tight milestone. This path continues on to auditorium interior finishes and testing/inspections.

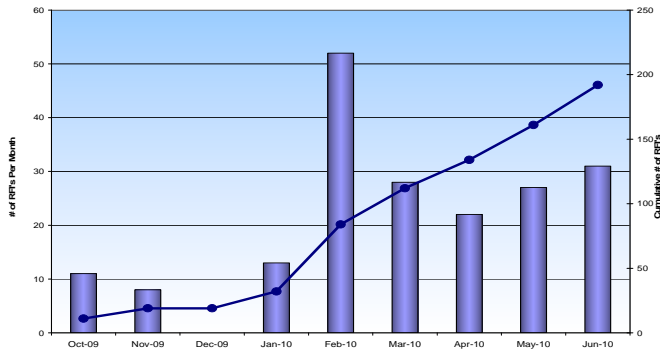


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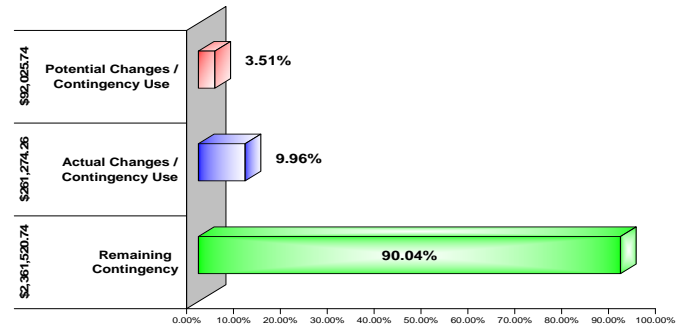
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Graphs & Data

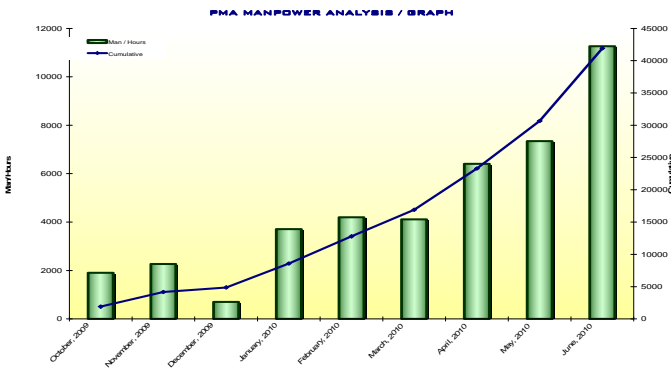
Requests for Information (RFIs)



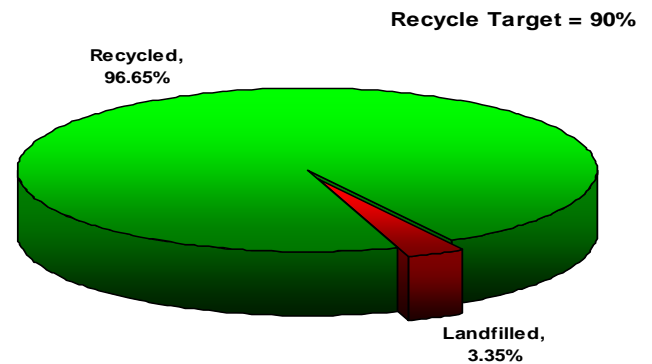
Contingency Utilization



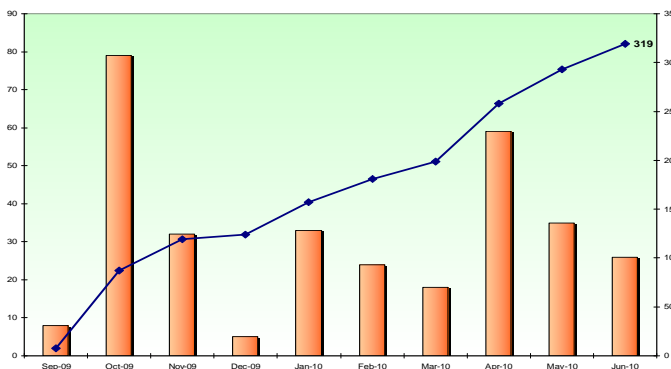
Monthly Manpower



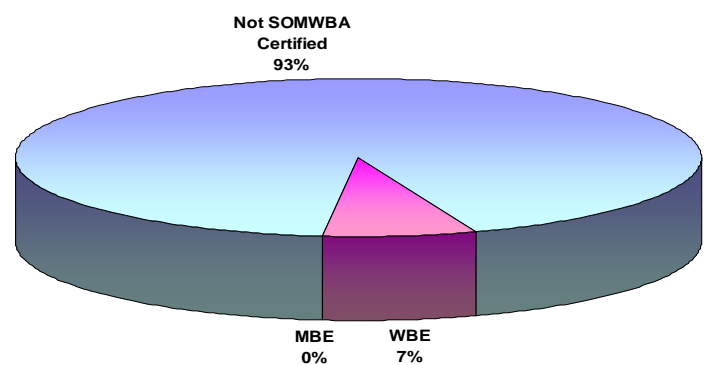
MA-CHPS Waste Management



Economic Impact – Work Force Employed To-Date



MBE / WBE Participation



PMA Change Management

Potential Change Orders

	Issued By / For	Scope	Proposed Cost (A)	PMA Analysis (B)	Approved Cost (C)	DELTA (A - C)	Pending Costs	PMA Notes	Proposed Time Extension (Days)	Granted Time Extension (Days)	CO #
		TOTALS:	\$282,635.67	\$226,026.15	\$250,330.22	\$32,305.45	\$124,575.25				
PCO #6	Lopes / Sitework	Waterline Replacement Option #1 (Lopes)	\$84,507.51	\$52,706.90	\$77,000.00	\$7,507.51	\$77,000.00	Option #1 Under Review - Lopes recommended route - Cost appears high and assumes 8 days to install. PMA believes installation can be done in ~4 days. PCO does not include Callahan costs to repair fence & other incidentals. Update 5/20: WILL PROCEED on T&M basis NTE \$77k. cost to be finalized in CO.	0	0	
PCO #7	Lopes / Sitework	Force Main Repair	TBD	+/- \$5,000		TBD	TBD	PCO not yet rec'd	0	0	
PCO #8	Lopes / Sitework	Add'l MH & Wider Ductbank for NGRID	TBD	+/- \$10,000		TBD	TBD	PCO not yet rec'd	0	0	
PCO #9	VPS / Carpentry	Added Soffits for RLs @ B313 and B314	TBD	+/- \$7,500		TBD	TBD	ASI Driven, not yet rec'd	0	0	
PCO #10	Lopes / Sitework	Lopes Swingset Relocation	TBD	+/- \$7,500		TBD	TBD	PCO not yet rec'd	0	0	
PCO #11		***VOID*** PCO SUPERCEDED									
PCO #12		***VOID*** PCO SUPERCEDED									
PCO #13	D'Agostino	Outbuilding Façade	\$47,575.25	\$47,575.25	\$47,575.25	\$0.00	\$47,575.25	Work is proceeding. Need formal CO.	0	0	
PCO #14	Callahan	Science Room Layout Changes	TBD	+/- \$16,000		TBD	TBD	PCO not yet rec'd	0	0	



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Progress Photos

2nd Floor Mechanical, Fire & Plumbing System Installation



CMU Wall @ Gymnasium North Elevation



Roof Installation & Exterior Sheathing



Athletic Field ACO Drain Installation



Site Electric Installation



Concession Stand Façade Installation

