



Town of Hanover, Massachusetts
Hanover High School



PMA Construction Services
Owner's Project Manager

HANOVER HIGH SCHOOL PROJECT **December 2009 – 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 94 of 611 to Ph1 Substantial:	12.8%

Project Issues/Concerns

- Evaluate Cost/Schedule Impact of Stop Work Order
- Winter Conditions - Weather Protection for Foundations
- Design Team Approval of Steel Shop Drawings
- Engineer Review/Testing of Work in Place Prior to Injunction to Determine if Any Damage Occurred During Work Stoppage
- Material Submittals / Shop Drawings – Need to Resubmit Damproofing Product Due to Winter Conditions
- Relocation/Cutover of Existing Water Main
- CORI Process and Approval Period
- Callahan Baseline Schedule Development and Cashflow Projection (REV1 Submitted & Reviewed)
- Reviewing Schedule Saving Ideas Such as:
 - Early partial abatement of existing building
 - Early site packages/Utility work
 - Stored materials
 - Double shift/weekend work
 - Focus on main building and program requirements; allow non-critical scope to slip in order to achieve completion in June 2011
 - Timely submission by GC and subsequent review by Designer on Steel and Rebar shop drawings

Budget Status

Total Project Budget: \$50,076,690* as of 12/31/09
Actual Incurred to Date: \$5,410,472 as of 12/31/09 (10.8%)
Contingency Remaining: \$2,623,079 (100%)

**Subject to Final Revised PFA Agreement*

Construction Cost Summary:

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

Construction Payment Summary:

Previous Gross Amount:	\$823,807.00
This Month's Gross Amount:	TBD*
Gross Amount to-Date:	\$823,807.00
Retainage To-Date @ 5%:	\$41,190.35
Retainage Released	\$0.00
Current Retainage	\$41,190.35
Total Net Payable To-Date:	\$782,616.65

Remaining Balance to Finish (gross): **\$37,828,448.00**

***PLEASE NOTE:** Reqs #2(Nov) & #3(Dec) are under review.

Project Status

December 2009 Progress

- Injunction Lifted by Appellate Court on December 22, 2009
- Callahan & Subs Re-Mobilize and Resume Work on December 23, 2009
- HMFH & Consultants Reviewed Condition of Unprotected Site and Recommended Selective Foundation Demolition & Rework (Due to Erosion) and Sampling to Ensure Compliance with Project Specifications
- Snow Cleared, Ground Heaters In Place, Excavation/Compaction/Forming Underway Through Christmas Weekend, Concrete Placement Resumed on Monday December 28, 2009
- Structural Steel Submittal/Approval Process Underway, Sequence 1-4 Approved

January 2009 Forecasted Items

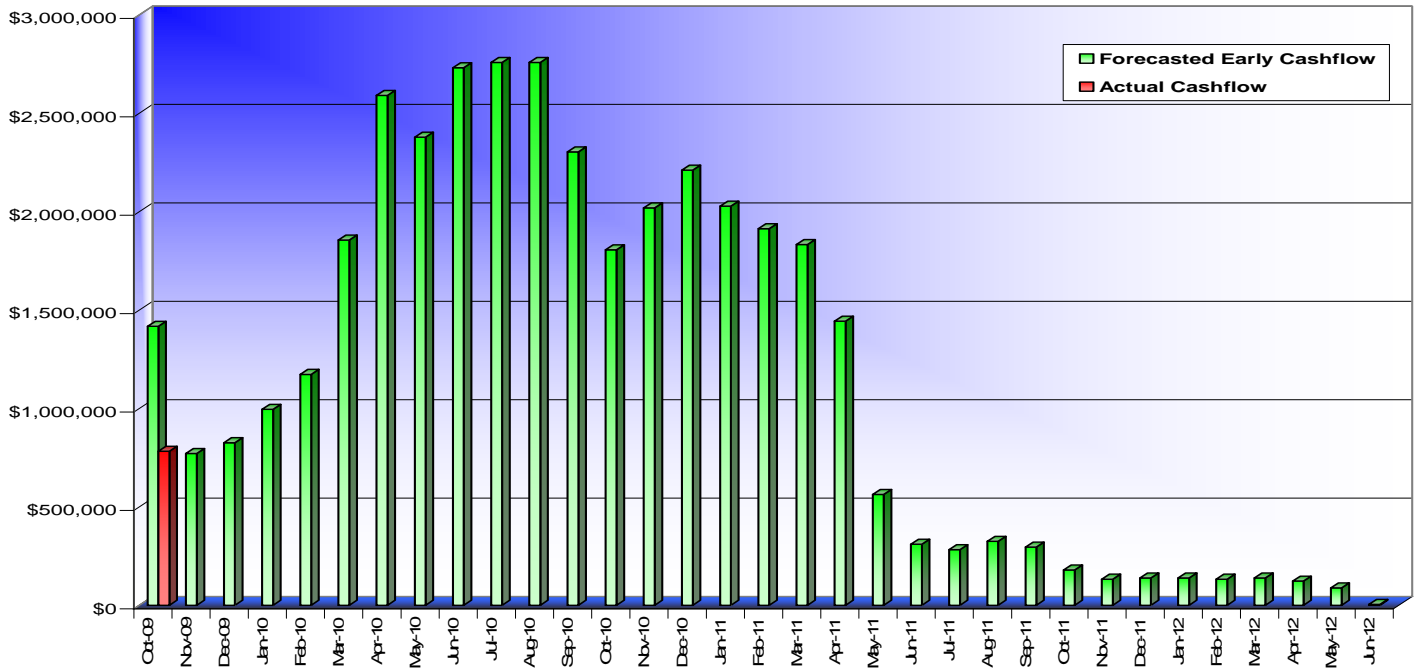
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| <ul style="list-style-type: none"> • Assess Cost/Schedule Impact of Injunction • Coring/Testing of Foundations Unprotected due to Work Stoppage • Finalize and Approve Detailed Schedule & Cashflow • Review & Process Invoices #2 and 3 | <ul style="list-style-type: none"> • Structural Material Procurement • Continue Foundation Excavation & Placement • Relocate Water Line & Cutover • Continue Foundation Backfill & Compaction • Obtain Coordination Drawings |
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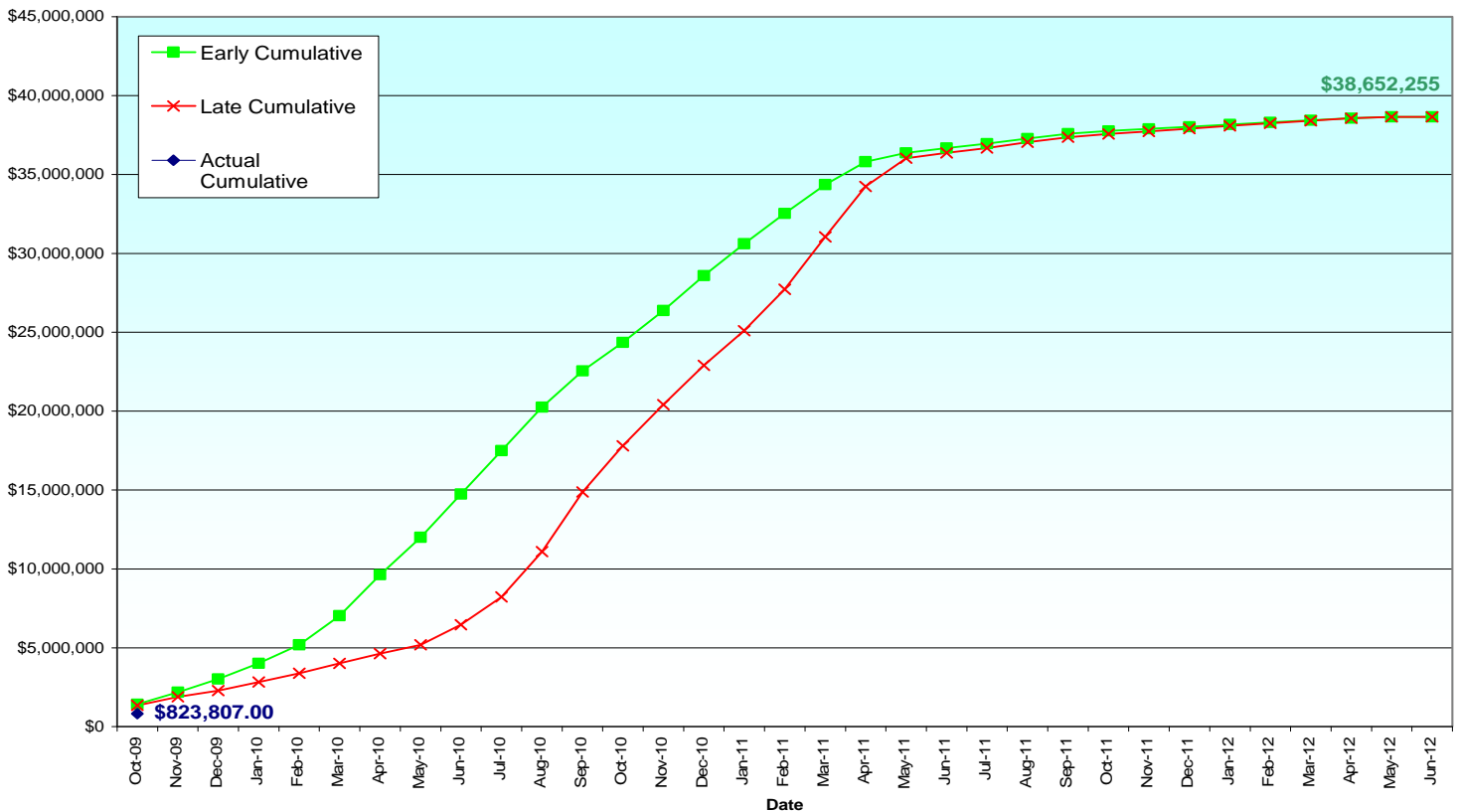
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Monthly Cashflow Projection



Cumulative Cashflow





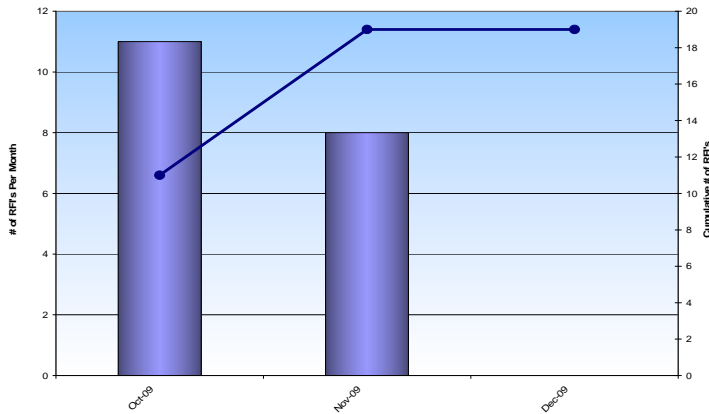
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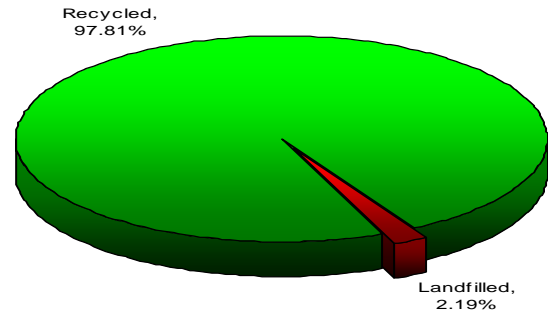
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Graphs & Data

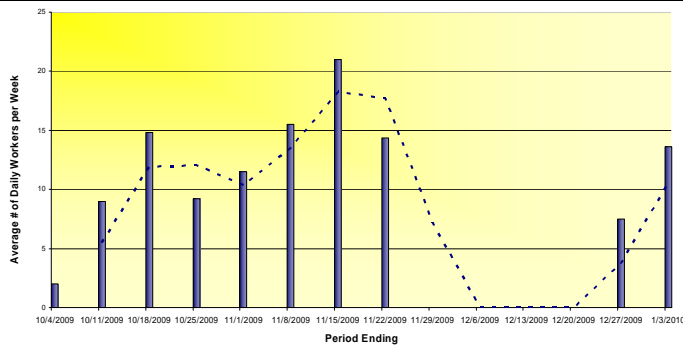
Requests for Information (RFIs)



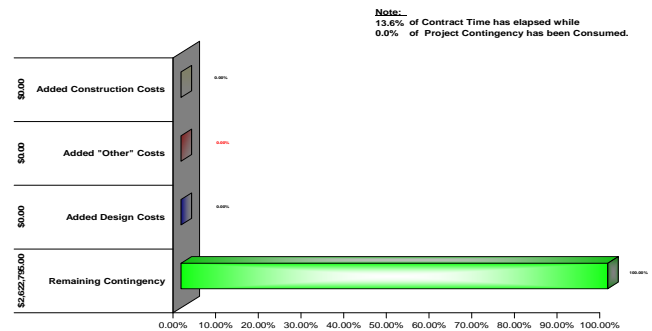
MA-CHPS Waste Management (90% Target)



Weekly Manpower



Contingency Utilization



Milestone Dates (PMA Forecast)

Milestone Dates	Planned	Actual	Delta	Schedule Notes
Construction Start - NTP	10/01/2009	09/28/2009	-3	On Schedule
Foundation Placement Start Milestone	11/09/2009	10/30/2009	-10	On Schedule
Steel Erection Start Milestone	1/04/2009	TBD		Will be Delayed Until February Due to Injunction
UG MEP Work	2/01/2009	TBD		
Building Envelope Start Milestone	3/01/2009	TBD		
OH MEP Work Start Milestone	5/04/2009	TBD		
Architectural Rough Start Milestone	7/05/2009	TBD		
Ph1 Substantial Completion	06/01/2011	TBD		

Baseline Schedule Under Review – Substantial Completion currently delayed until July due to injunction, however Callahan and PMA are investigating delay mitigation options.

Project Team

MSBA	Paul Fowkes	Executive	617-720-4466	Paul.Fowkes@massschoolbuildings.org
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	Patrick Callahan	President	508-279-0012	pcallahan@callahan-inc.com



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Progress Photos

Ground Heater – Running Glycol Lines



Wall Reinforcement @ NW Corner of Bldg



Forming Walls @ W Side of Bldg



North Footing Weather Protection Blankets & Heat



West Wall Weather Protection Blankets & Heat



New Water Line Installation

