



Town of Hanover, Massachusetts
Hanover High School



PMA Construction Services
Owner's Project Manager

HANOVER HIGH SCHOOL PROJECT *January 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 125 of 611 to Ph1 Substantial:	17.1%

Project Issues/Concerns

- Mitigate Schedule Impact of Stop Work Order
- Finalize Cost Extras Associated with Stop Work Order
- National Grid Ductbank Approval
- Design Team Approval of Remaining Steel Shop Drawings
- Loam Stockpile Will Prevent Ph1A (Track & Field) Early Completion, GC Trying to Relocate on Site
- Unsuitable Soil @ Track Cannot be Reused for Drainage
- Structural Steel Delivery / Staging
- Material Submittals / Approvals
- CORI Process and Approval Period
- Building Façade Mockup – Brick Type & Color Selection
- Implementing Schedule Saving Ideas Such as:
 - Early Site Packages/Utility work
 - Double Shifts / Weekend Work
- Reviewing Schedule Saving Ideas Such as:
 - Early Partial Abatement of Existing Building
 - Stored Materials

Budget Status

Total Project Budget: \$50,076,690* as of 1/31/10
Actual Incurred to Date: \$8,908,722 as of 1/31/10 (17.8%)
Contingency Remaining: \$2,622,795 (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:	\$2,429,229.80
This Month's Gross Amount:	\$1,175,000.00*
Gross Amount to-Date:	\$3,604,229.80*
Retainage To-Date @ 5%:	\$180,211.49*
Retainage Released	\$0.00
Current Retainage	\$180,211.49*
Total Net Payable To-Date:	\$3,424,018.31*

Remaining Balance to Finish (gross): **\$35,048,025.20***

***PLEASE NOTE:** Req #4 (Jan) is under review and values are approximate.

Project Status

January 2010 Progress

- Foundations ~90% Complete (Incl. Waterproofing, Insulation, Backfill & Compaction)
- UG Plumbing Approximately 60% Complete & Backfilled
- UG Electric Conduit Approximately 20% Installed
- Steel Leveling Plates Installed & Grouted, First Steel Delivery on February 1, 2010
- Structural Steel Submittal/Approval Process Underway, Sequence 1-12 Approved, Anticipate Approval on Seq 13-21 by Second Week of February
- Water Main Installed, Tested & Cutover.
- Detailed Schedule and Cashflow Submitted and Reviewed by PMA and HMFH

February 2010 Forecasted Items

- | | |
|---|---|
| <ul style="list-style-type: none"> • Begin Erecting Structural Steel @ SW Corner of Bldg • Continue Installation of Underground Plumbing • Continue Installation of Underground Electric • Continue Installation of Site Drainage • Obtain NGRID Approval and Install Utility Ductbank from Cedar Street to Bldg | <ul style="list-style-type: none"> • Continue Structural Material Fabrication / Delivery • Continue Foundation Placement (~10% Remaining) • Continue Foundation Backfill & Compaction • Create Recovery Schedule to Mitigate Impact of Stop Work Order • Review & Process Invoice #4 |
|---|---|

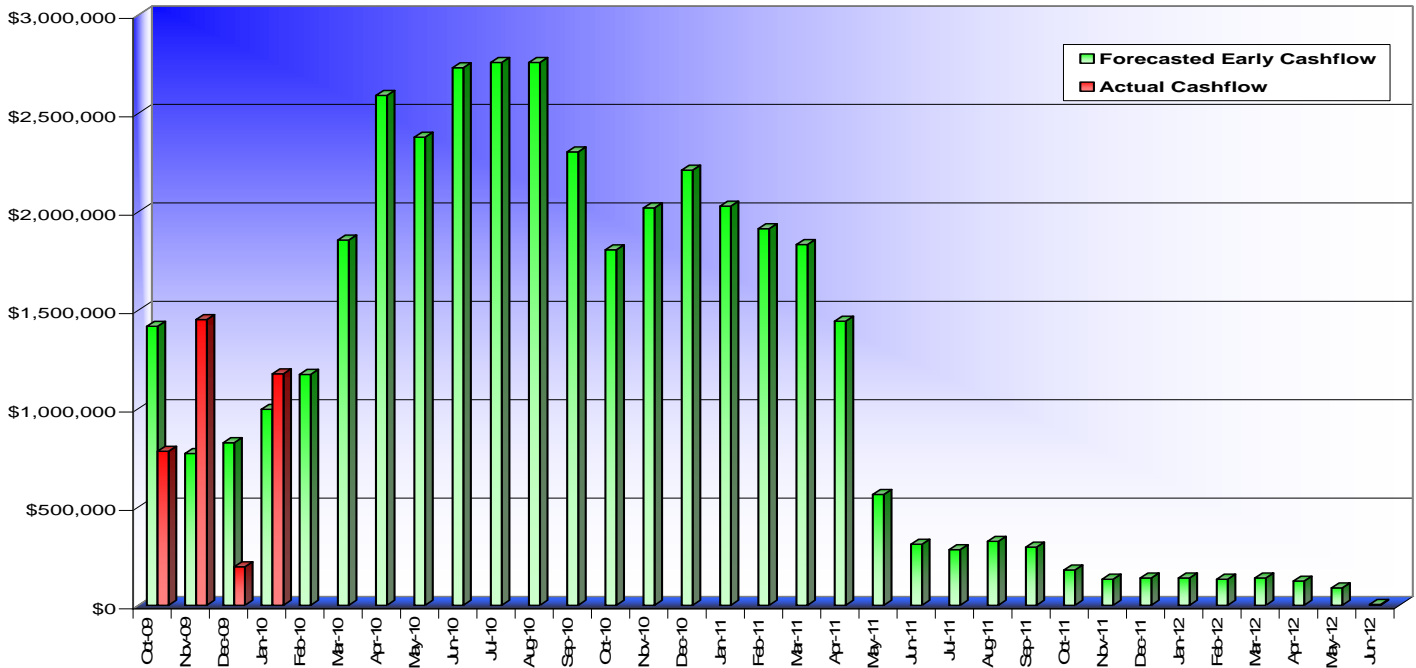


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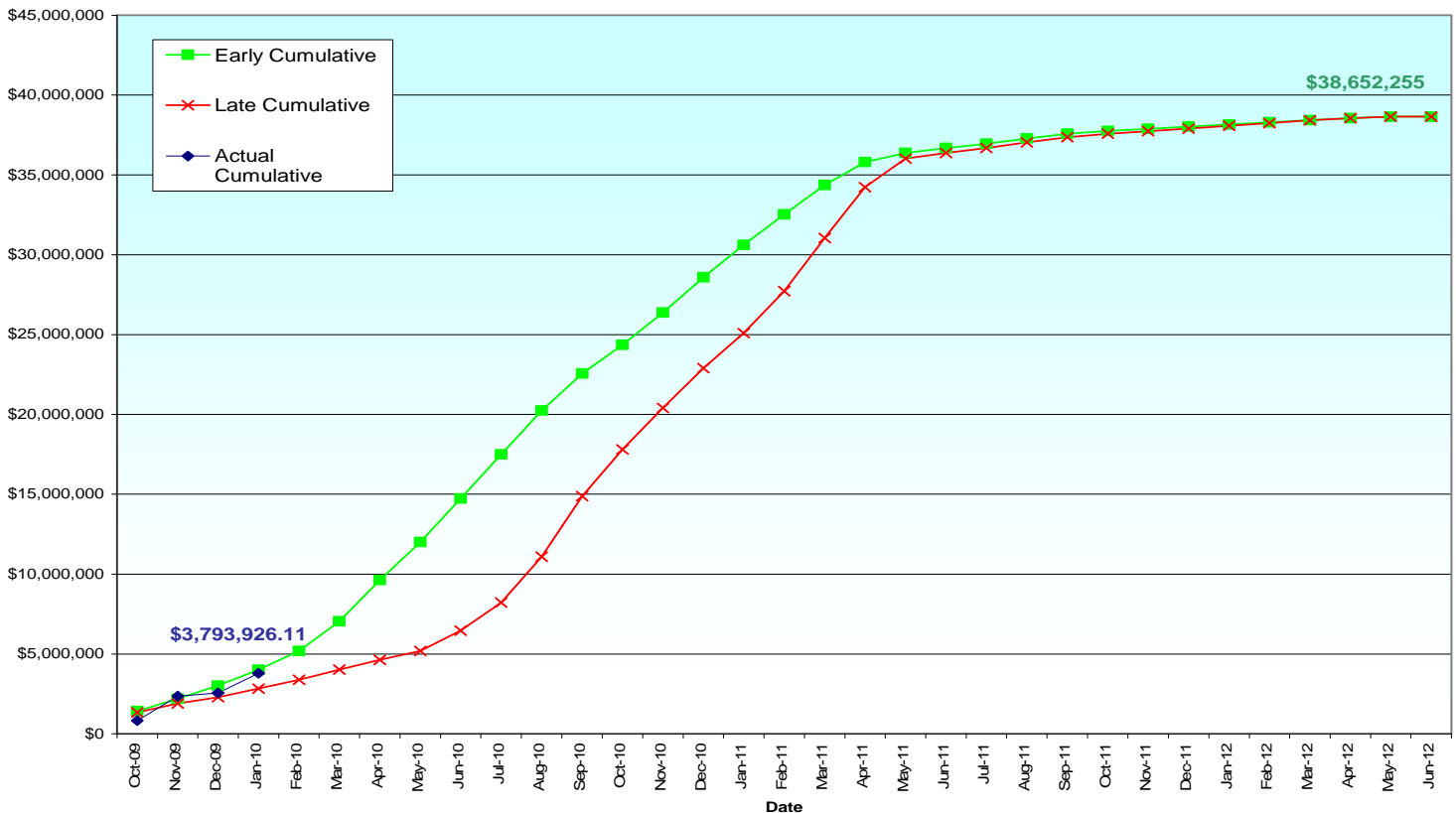


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Monthly Cashflow Projection (Note: January Value is Approximate)



Cumulative Cashflow (Note: January Value is Approximate)





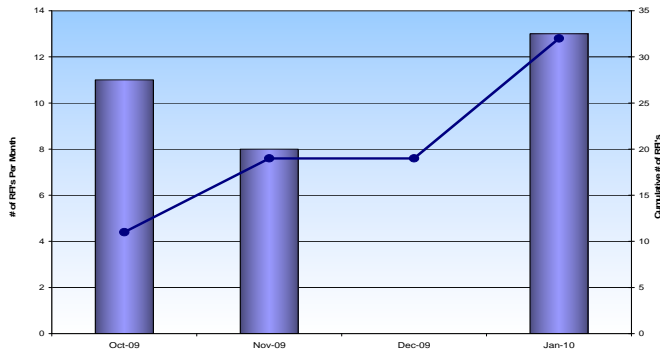
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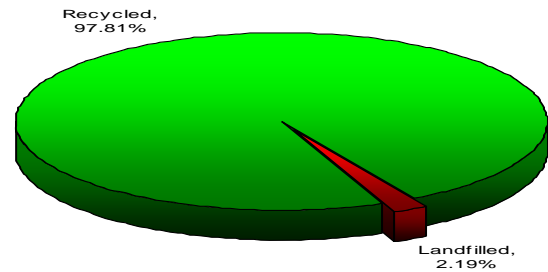
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Graphs & Data

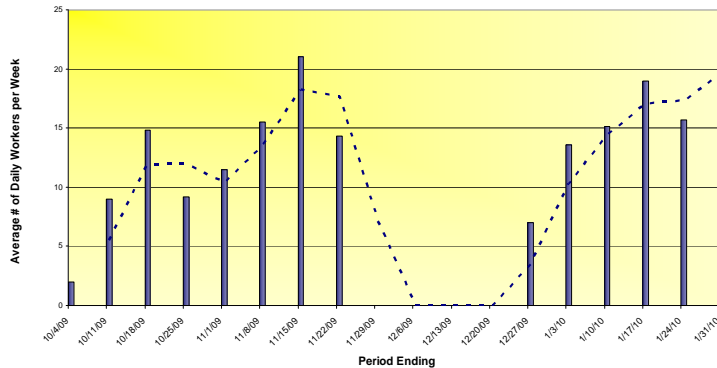
Requests for Information (RFIs)



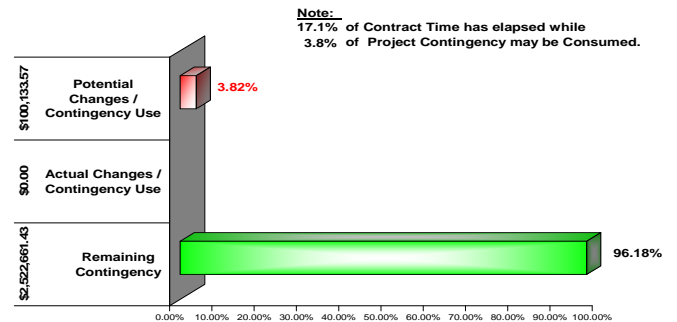
MA-CHPS Waste Management (90% Target)



Weekly Manpower



Contingency Utilization



Milestone Dates

Milestone Dates	Baseline	Forecast	Actual	Status	Schedule Notes
Construction Start - NTP	01Oct09		28Sep09	✓	On Schedule
Foundation Placement Start Milestone	09Nov09		30Oct09	✓	On Schedule
UG MEP Work	15Jan10		20Jan10	✓	Delayed Due to Injunction, Critical Path
Steel Erection Start Milestone	04Jan10		02Feb10	✓	Delayed Due to Injunction, Critical Path
OH MEP Work Start Milestone	20Apr10	26May10			Delayed Due to Injunction, Not on Critical Path (Ext Enclosure is Critical)
Building Envelope Start Milestone	28Apr10	03Jun10			Delayed Due to Injunction, Critical Path
Bldg Interior Start Milestone (Layout & Control)	31Mar10	05May10			Delayed Due to Injunction, Not on Critical Path (Ext Enclosure is Critical)
Ph1 Substantial Completion	01Jun11	07Jul11			Baseline Schedule Under Review – Substantial Completion currently delayed until July due to injunction, however Callahan and PMA are investigating delay mitigation options.

HS01 Schedule Submission

Contract Milestone Analysis

Phase	Contract	HS00	HS01
Ph1 Substantial	01Jun11	01Jun11	07Jul11
Ph1A Substantial	01Jun11	01Jun11	06Oct10
Ph2 Substantial	01May12	01May12	06Jun12

- Contract Milestone dates were delayed due to the court imposed injunction from 20Nov09 to 22Dec09.
- A recovery schedule is being developed and expected to be implemented in Callahan's HS02 (January) Schedule Update.
- The primary Critical Path to Ph1 Substantial Completion currently flows through foundations, steel, bldg enclosure, interior fit-out, equipment start-up, and testing/inspections.



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Progress Photos

Underslab Plumbing Installation



Drainage Installation @ South Parking Area



Underslab Electrical Conduit Installation



Southwest Quadrant of Building Backfilled & Compacted



C-Line Footing @ NE Corner of Bldg (Auditorium)



Wall Pour @ NW Corner of Bldg (Gym)

