





PMA Construction Services

Owner's Project Manager

HANOVER HIGH SCHOOL PROJECT

July 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 **Project Total Duration: Construction Type: NEW Facility Type:** High School 32-months **Construction Start Date:** 28Sep09 **Reimbursement Rate:** 48.21% Day 306 of 611 to Ph1 Substantial: 50.1%

Project Safety Report

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

Open Scope / Potential Issues

- Slab on grade completion
- Getting building weathertight to complete electrical work
- Building façade construction
- Subsurface infiltration bed #2 installation before students return
- Gas line installation to Cedar Elementary before students return
- Installation of track surface and athletic field turf for early turnover
- Completion of maintenance and concession building interior finishes for early turnover
- Replacement of existing asbestos containing water main under future driveway
- Coordination of electrical utility cable pulls & XFMR installation
- Terrazzo contract procurement & schedule integration
- Resolution of commissioning agent punchlist items
- Preparation for FF&E / IT and move to new building
- Community Issues none at this time.

Budget Status

Total Project Budget: \$50,106,069** as of 7/31/10

Actual Incurred to Date: \$20,463,340* as of 7/31/10 (40.8%)

Contingency Remaining: \$2,352,238 (89.7%)

**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:	\$51,204.15*
Current Contract Value:	\$38,829,214.12*

Construction Payment Summary:

 Previous Gross Amount:
 \$13,118,087.38

 This Month's Gross Amount:
 \$2,964,637.00*

 Gross Amount to-Date:
 \$16,082,724.38*

 Retainage To-Date @ 5%:
 \$804,136.22*

 Retainage Released
 \$0.00

 Current Retainage
 \$804,136.22*

 Total Net Payable To-Date:
 \$15,278,588.16*

Remaining Balance to Finish (gross): \$22,746,489.74*

*Note: July Requisition Not Yet Finalized

Project Status

July 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 95% Complete
- Site Parking Area 90% Binder Installed 50% Curbs Installed
- Rough MEP 70% Complete on 2nd and 3rd Floors
- 85% of Bldg Slab on Grade Placed

- CMU Walls @ Gym/Locker Rooms 75% Complete
- 2nd & 3rd Floor Framing Complete
- 2nd Floor Wood Blocking Underway
- Exterior Sheathing 85% Complete, AVB 50% Complete
- Maintenance & Concession Bldg Façade Complete
- Roofing Installation 95% Complete, Skylights Installed
- Fireproofing Approximately 85% Complete
- Field & Track Subgrade and Binder Installed, Lightpoles Installed

August 2010 Forecasted Items

- Continue Classroom Wing MEPs
- Complete Slab on Grade Placement
- Continue Construction of Outbuildings, Begin Interior Finishes
- Continue Athletic Field Construction, Install Turf Sub-Base
- · Set Stands at Athletic Field

- Complete Roof Installation
- Begin 1st Floor Interior Framing
- Begin Work on Tennis Courts (Previously Phase II)
- Begin Brick Façade Installation
- Infiltration Bed Installation at Rear Parking Lot of Existing Bldg



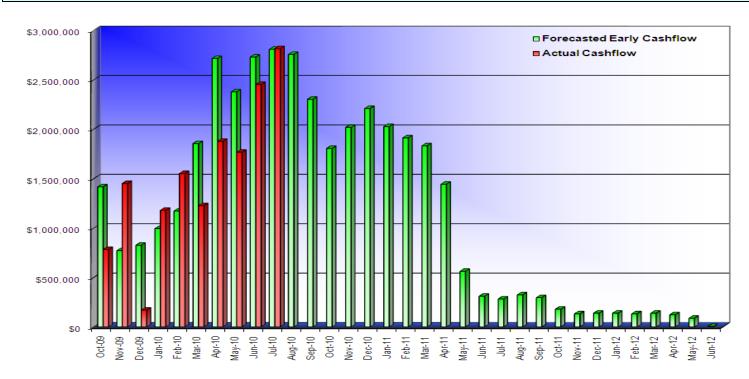
Massachusetts School Building Authority

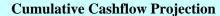


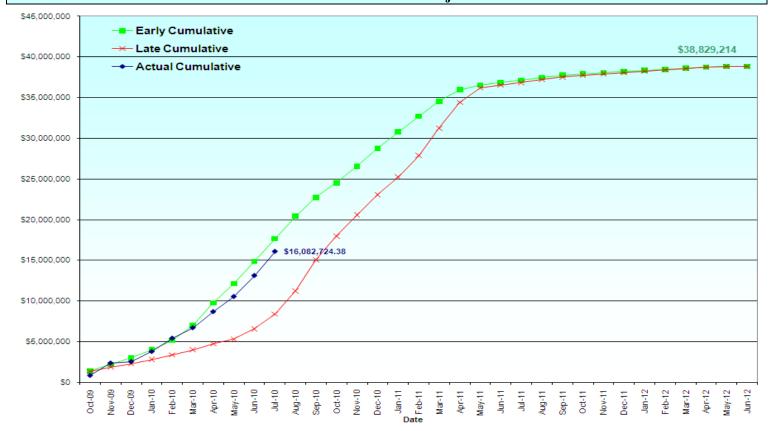
PMA Construction Services

Owner's Project Manager

Monthly Cashflow Projection









Massachusetts School Building Authority

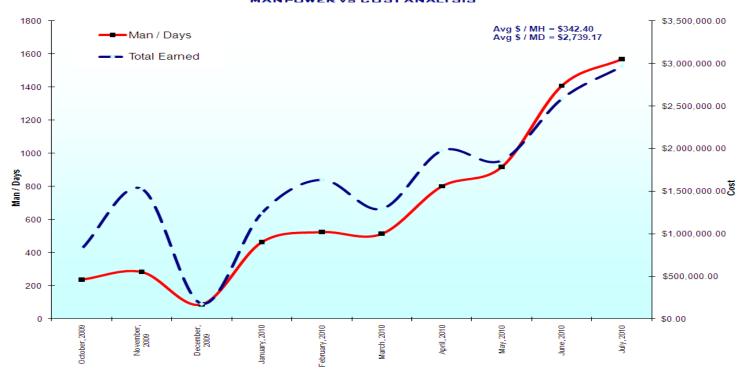


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Manpower vs Cost Analysis

PMA CONSULTANTS 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		
Begin Electrical Cut-In	17Aug10	31Aug10		√	No Critical Path Impact – Float Utilized		
Begin Main Building Brick Veneer	28Jul10	9Aug10		√	No Critical Path Impact – Float Utilized		
Ph1A Substantial Completion	15Oct10	15Sep10		√	On Schedule		
Begin Startup Checkout HVAC Systems	26Nov10	28Oct10		√	On Schedule		
Permanent Power Online	18Jan11	15Dec10		√	On Schedule		

HS07 Schedule Submission (HS08 July Update Not Yet Submitted)

Contract Milestone Analysis									
Phase	Contract	HS06	HS07	Float					
Ph1 Substantial	01Jun11	01Jun11	07Jun11	-4					
Ph1A Substantial	01Jun11	31Aug10	23Aug10	194					
Ph2 Substantial	01May12	01May12	27Apr12	2					

- The primary critical path to Phase 1 substantial completion in the HS07 schedule submission flows through delivery & installation of brick veneer & precast, installation of window assemblies, metal siding and interior finishes (incl. GWB, ceiling, lighting, casework, millwork, flooring & paint). This path contains -4 days of total float.
- The secondary path to Ph1 Substantial Completion displays 0 days of total float and currently flows through exterior framing/sheathing/insulation activities to the installation of brick veneer. This path continues on to drive the primary critical path activities outlined above.





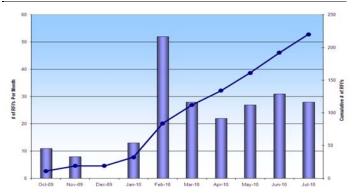


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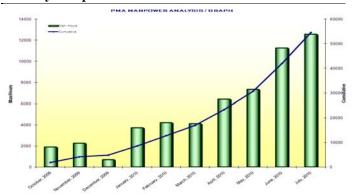
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Graphs & Data

Requests for Information (RFIs)



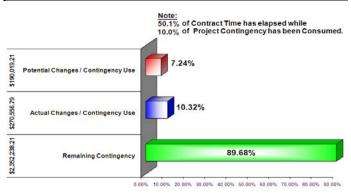
Monthly Manpower



Economic Impact – Work Force Employed To-Date

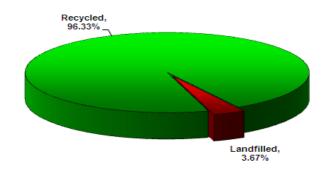


Contingency Utilization

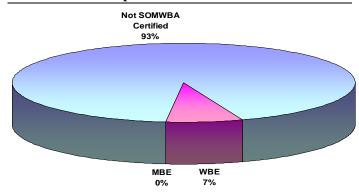


MA-CHPS Waste Management





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	Time	Granted Time Extension (Days)
PCO #6	Lopes / Sitework	Asbestos Waterline Replacement	\$84,507.51	\$52,706.90	\$77,000.00	\$7,507.51	\$77,000.00	PCO Not Yet Received	0	0
PCO #7	Lopes / Sitework	Force Main Repair	TBD	\$5,000.00		TBD	TBD	Amount Estimated, PCO not yet rec'd	0	0
PCO #8	Lopes / Sitework	Add'l MH & Wider Ductbank for NGRID	TBD	\$10,000.00		TBD	TBD	Amount Estimated, PCO not yet rec'd	0	0
PCO #9	VPS / Carpentry	Added Soffits for RLs @ B313 and B314	\$1,126.81	\$1,126.81		\$0.00	\$1,126.81	ASI Driven, CO pending.	0	0
PCO #14	Callahan	Stair #4 Railing	\$31,123.31	\$31,123.31		\$0.00	\$31,123.31	SBC to Vote on 8/11	0	0
PCO #16	Lopes / Sitework	Additional Tree Removal	\$24,733.00	\$24,733.00		\$0.00	\$24,733.00	SBC to Vote on 8/11	0	0
PCO #17	Griffin / Lopes	Conduit Relocation @ Cedar School	\$136,379.44	\$50,000.00		\$86,379.44	REJECTED	REJECTED - Price too high	0	0
PCO #18	Lopes / Sitework	Grind & Repave Cedar Drive	\$49,499.93	\$49,499.93		\$0.00	\$49,499.93	SBC to Vote on 8/11	0	0
PCO #19	Lopes / Sitework	Tennis Court Fence Replacement	\$50,000.00	N/A		TBD	REJECTED	REJECTED - Price too high		
PCO #20		Additional Grills & Ductwork	\$6,195.04	\$6,195.04		\$0.00		SBC to Vote on 8/11		
PCO #21	D #21 ***TBD*** PCO NOT YET RECEIVED									
PCO #22	Lopes / Sitework	Granite Curb Changes	\$5,561.18	\$5,561.18		\$0.00	\$5,561.18	SBC to Vote on 8/11	0	0



Massachusetts School Building Authority



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Progress Photos



Asphalt Sub-Base @ Athletic Track



Tight Tank Installation



Concession Building Plumbing / CMU



Locker Room CMU Block Walls



Main Entrance Binder & Granite Curbs

