



**Town of Hanover, Massachusetts**  
Hanover High School



**PMA Construction Services**  
Owner's Project Manager

## **HANOVER HIGH SCHOOL PROJECT** *November 2009 – Monthly Status Report*

|                                 |                     |                               |              |  |           |
|---------------------------------|---------------------|-------------------------------|--------------|--|-----------|
| <b>Project:</b>                 | Hanover High School | <b>Building Size:</b>         | 157,000      | <b>Ph1 Substantial Completion:</b>       | June 2011 |
| <b>Current Phase:</b>           | Construction        | <b>Enrollment Projection:</b> | 800 Students | <b>Ph2 Substantial Completion:</b>       | May 2012  |
| <b>Construction Type:</b>       | NEW                 | <b>Facility Type:</b>         | High School  | <b>Project Total Duration:</b>           | 32-months |
| <b>Construction Start Date:</b> | 28Sep09             | <b>Reimbursement Rate:</b>    | 48.21%       | <b>Day 64 of 611 to Ph1 Substantial:</b> | 10.5%     |

### **Project Issues/Concerns**

- Stop Work Order Issued 11/20/09 as a Result of Labor Union Protest on the Pre-Qualification of Callahan
- Injunction Delaying Foundations, Unfavorable Winter Weather Ahead May Cause Further Delay
- Material Submittals / Shop Drawings
- CORI Process and Approval Period
- Relocation/Cutover of Existing Water Main
- Callahan Baseline Schedule Development and Cashflow Projection
- 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 11/30/09  
**Actual Incurred to Date:** \$5,164,026 as of 11/30/09 (10.31%)  
**Contingency Remaining:** \$2,623,079 (100%)

*\*Subject to Final Revised PFA Agreement*

*Note: Pay Requisition #2 to be Processed in December*

#### **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                 |
| <b>Current Contract Value:</b> | <b>\$38,652,255.00</b> |

#### **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         |
| <b>Total Net Payable To-Date:</b> | <b>\$782,616.65</b> |

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

**\*PLEASE NOTE:** Req#1 is being held by the Town per Town Counsel's recommendation until further notice

### **Project Status**

#### **November 2009 Progress**

- Clearing and Grubbing Complete @ Future Football Field. All Topsoil Stripped and Stockpiled
- Foundation Excavation Started 26Oct09, Approximately 50% Complete on 11/20/09
- First Footings & Piers Poured 30Oct09 – Foundation Approximately 33% Complete on 11/20/09
- Foundation Dampproofing, Rigid Insulation Installation and Backfill/Compaction Underway
- New Gas Line Installed and Cutover with Zero Impact to Schools, Old Line Removed from Service
- Structural Steel Submittal/Approval Process Underway, Sequence 1 Approved

#### **December 2009 Forecasted Items**

- |  |  |
|--|--|
| • Assess Cost/Schedule Impact of Injunction        | • Structural Material Procurement            |
| • Appeal Stop Work Order to Mitigate Delays/Damage | • Continue Foundation Excavation & Placement |
| • Site Preservation (If New Work Cannot Proceed)   | • Install Temporary Electricity              |
| • Finalize and Approve Detailed Schedule           | • Relocate Water Line & Cutover              |
| • Finalize and Approve Sch of Values & Cashflow    | • Continue Sitework Cuts & Fills             |



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Hanover High School

## PMA Construction Services

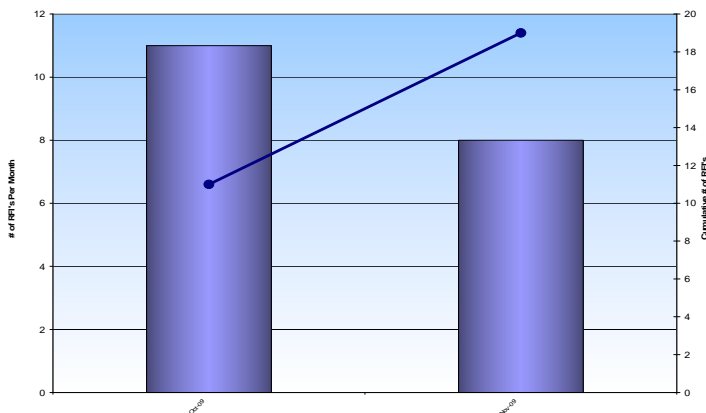
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### Milestone Dates (PMA Forecast)

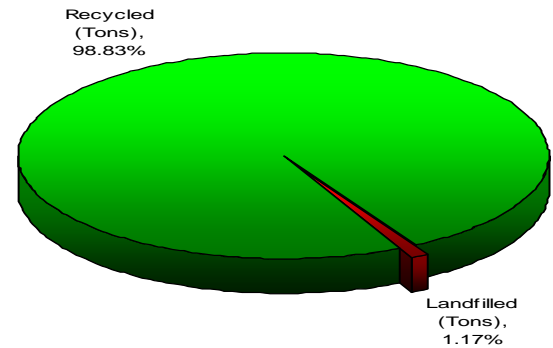
| Milestone Dates                      | Planned    | Actual     | Delta | Schedule Notes                            |
|--------------------------------------|------------|------------|-------|---|
| Construction Start - NTP             | 10/01/2009 | 09/28/2009 | -3    | On Schedule                               |
| Foundation Placement Start Milestone | 11/09/2009 | 10/30/2009 | -10   | On Schedule                               |
| Steel Erection Start Milestone       | 1/04/2009  | TBD        |       |   |
| 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 Development in Progress |

### Graphs & Data

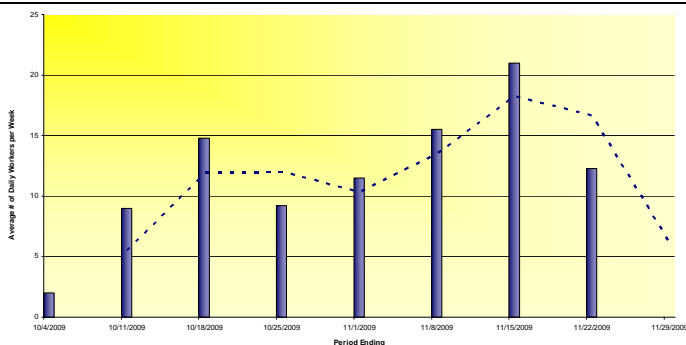
#### Requests for Information (RFIs)



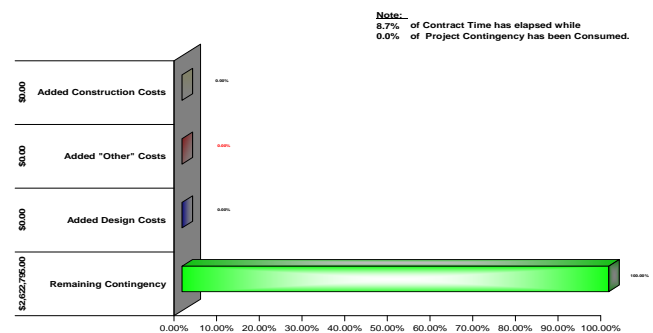
#### MA-CHPS Waste Management (90% Target)



#### Manpower



#### Contingency Utilization



### Project Team

|  |                    |                               |              |  |
|--|--------------------|-------------------------------|--------------|--|
| MSBA   | Paul Fowkes        | Executive                     | 617-720-4466 | <a href="mailto:Paul.Fowkes@massschoolbuildings.org">Paul.Fowkes@massschoolbuildings.org</a>               |
|  | Jennifer Connarton | Senior Contract Administrator | 617-720-4466 | <a href="mailto:Jennifer.Connarton@MassSchoolBuildings.org">Jennifer.Connarton@MassSchoolBuildings.org</a> |
|  | Katie Timmins      |                               | 617-720-4466 | <a href="mailto:Kathleen.Timmins@massschoolbuildings.org">Kathleen.Timmins@massschoolbuildings.org</a>     |
| PROJECT MANAGER<br>PMA Construction Services | Chris Carroll      | Principle                     | 781-794-1404 | <a href="mailto:ccarroll@pmaconsultants.com">ccarroll@pmaconsultants.com</a>                               |
|  | Chris Simmler      | Project Manager               | 781-794-1404 | <a href="mailto:csimmler@pmaconsultants.com">csimmler@pmaconsultants.com</a>                               |
|  | Chad Crittenden    | Assistant PM                  | 781-794-1404 | <a href="mailto:ccrittenden@pmaconsultants.com">ccrittenden@pmaconsultants.com</a>                         |
| ARCHITECT<br>HMFH Architects                 | George Metzger     | Principle                     | 617-844-2114 | <a href="mailto:metzger@hmfh.com">metzger@hmfh.com</a>   |
|  | Lori Cowles, AIA   | Project Manager               | 617-844-2141 | <a href="mailto:cowles@hmfh.com">cowles@hmfh.com</a>   |
|  | John Nunnari       | Construction Administrator    | 617-844-2136 | <a href="mailto:nunnari@hmfh.com">nunnari@hmfh.com</a>   |
| GENERAL CONTRACTOR<br>Callahan Inc.          | Steve Carley       | Project Executive             | 508-279-0012 | <a href="mailto:scarley@callahan-inc.com">scarley@callahan-inc.com</a>                                     |
|  | Patrick Callahan   | President                     | 508-279-0012 | <a href="mailto:pcallahan@callahan-inc.com">pcallahan@callahan-inc.com</a>                                 |



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**Progress Photos**

**Site Overview**



**Dampproofing on Y Line (South) Exterior Wall**



**Installing Grade Beam Reinforcement**



**Backfill @ Line 4 (West Exterior Wall)**



**V-Line Pier & Grade Beam Pour**



**New Gas Line Installation**

