



**Gilbane**



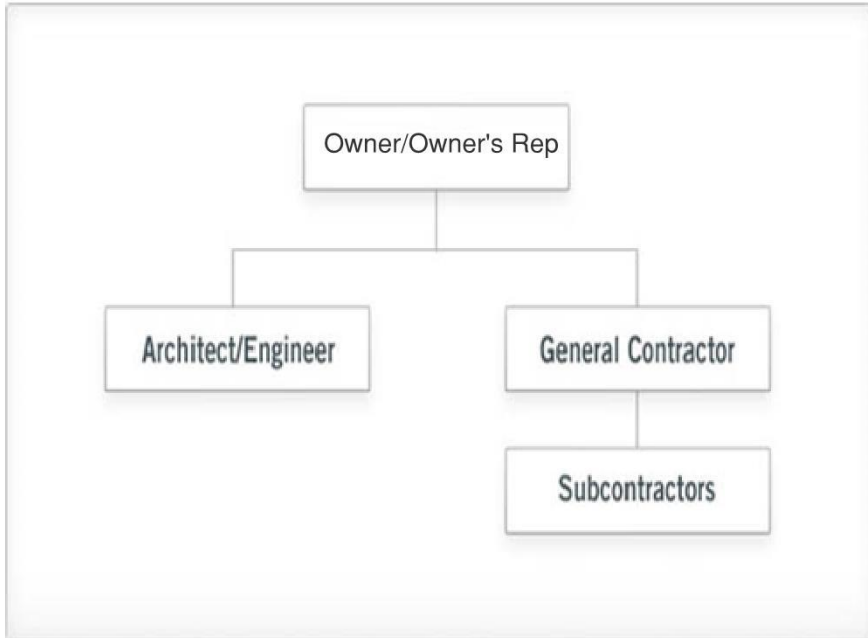
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**Building More Than Buildings<sup>®</sup>**

**Building Careers**

# CONSTRUCTION MANAGEMENT



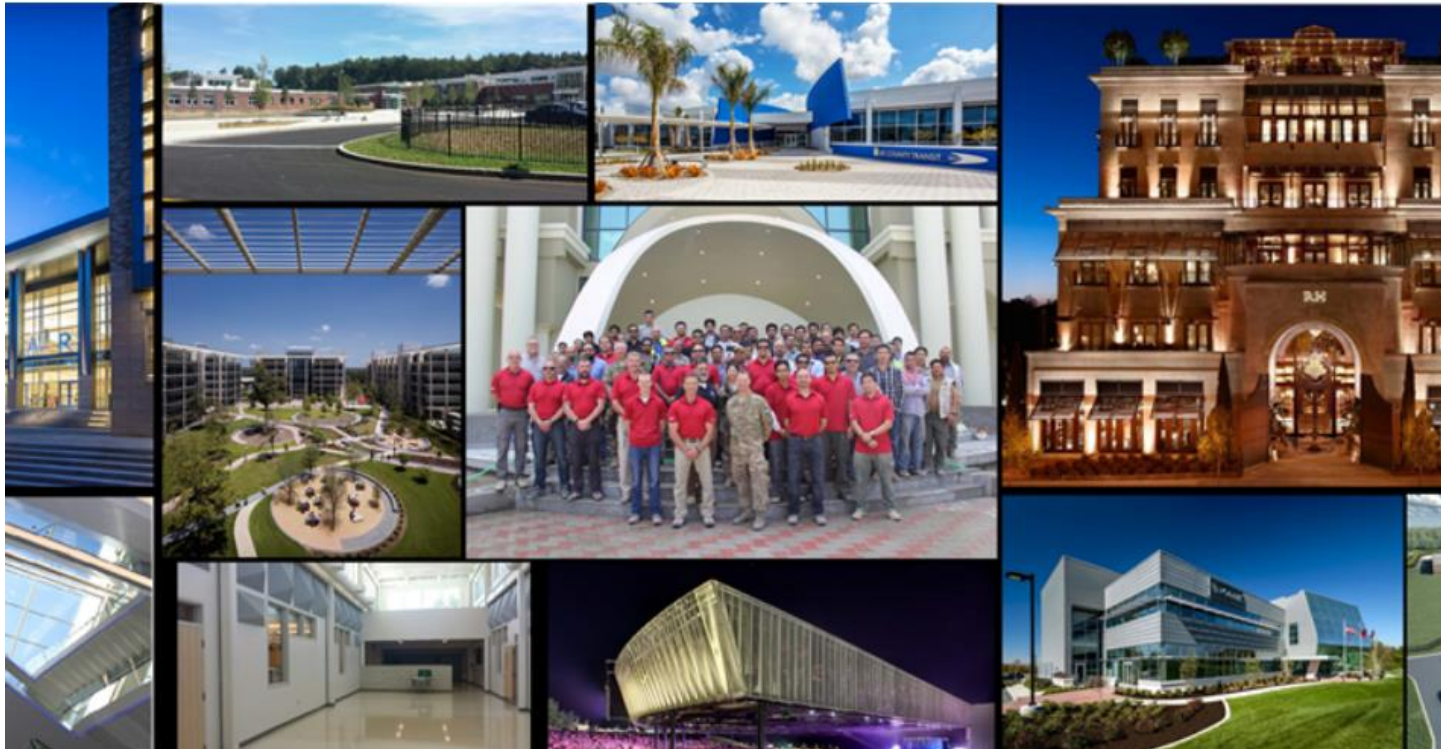


- **College – 4 year degree / Post Grad**

- CM
- Civil
- Management
- Architecture

- **Internships / Co-ops**

- **Job Search**
- **Project Engineer**
- **Project Manager / Superintendent**



- Estimating
- Scheduling
- Purchasing
- Accounting
- Business Managers
- Project Manager
- Project Engineers
- Superintendents
- Safety Managers
- Quality Manager



**Gilbane**



# SCHEDULING



Activity ID	Activity Name	Orig Dur	Rem Dur	Start	Finish	Calendar	2015												2016												2017											
							Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun						
HP2170	Backfill/Waterproof/Insulate Foundations - North Area C	5	5	04-Nov-15	10-Nov-15	5 Day Workweek	■ Backfill/Waterproof/Insulate Foundations - North Area C																																			
<b>Structural Steel</b>																																										
HP2180	Erect Steel - South Area B	20	20	05-Nov-15	03-Dec-15	5 Day Workweek	■ Erect Steel - South Area B																																			
HP2190	Detail & Decking - South Area B - G to L2	16	16	16-Nov-15	08-Dec-15	5 Day Workweek	■ Detail & Decking - South Area B - G to L2																																			
HP2200	Detail & Decking - South Area B - L2 to Roof	16	16	04-Dec-15	28-Dec-15	5 Day Workweek	■ Detail & Decking - South Area B - L2 to Roof																																			
HP2210	Erect Steel - North Area C	11	11	04-Dec-15	18-Dec-15	5 Day Workweek	■ Erect Steel - North Area C																																			
HP2230	Detail & Decking - North Area C	17	17	21-Dec-15	14-Jan-16	5 Day Workweek	■ Detail & Decking - North Area C																																			
<b>Slab on Deck &amp; Slab on Grade</b>																																										
HP2220	Underslab Rough-in - Area B	10	10	09-Dec-15	22-Dec-15	5 Day Workweek	■ Underslab Rough-in - Area B																																			
HP2250	Slab on Grade - Area B (Level 1 & Basement)	10	10	23-Dec-15	07-Jan-16	5 Day Workweek	■ Slab on Grade - Area B (Level 1 & Basement)																																			
HP2240	Slab on Deck - Level 2 - Area B	7	7	05-Jan-16	13-Jan-16	5 Day Workweek	■ Slab on Deck - Level 2 - Area B																																			
HP2260	Underslab Rough-In - Area C	7	7	12-Jan-16	20-Jan-16	5 Day Workweek	■ Underslab Rough-In - Area C																																			
HP2280	Slab on Deck - Level 1 - Area B (Tunnel/Level 1)	7	7	13-Jan-16	21-Jan-16	5 Day Workweek	■ Slab on Deck - Level 1 - Area B (Tunnel/Level 1)																																			
HP2290	Slab on Grade - Area C	6	6	22-Jan-16	29-Jan-16	5 Day Workweek	■ Slab on Grade - Area C																																			
HP2270	Slab on Deck - Level 2 - Area C	5	5	01-Feb-16	05-Feb-16	5 Day Workweek	■ Slab on Deck - Level 2 - Area C																																			
HP2320	Slab on Deck - Penthouse - Area C	3	3	08-Feb-16	10-Feb-16	5 Day Workweek	■ Slab on Deck - Penthouse - Area C																																			
<b>Building Enclosure</b>																																										
HP3330	Building Weathertight - Area B	1	1	05-Apr-16	05-Apr-16	5 Day Workweek	■ Building Weathertight - Area B																																			
HP3680	Building Weathertight - Area C	1	1	06-Apr-16	06-Apr-16	5 Day Workweek	■ Building Weathertight - Area C																																			
<b>Exterior &amp; Full Height CMU Walls</b>																																										
HP2310	CMU - South CL C.6.2 - C.E.2-C.H.1	8	8	14-Jan-16	25-Jan-16	5 Day Workweek	■ CMU - South CL C.6.2 - C.E.2-C.H.1																																			
HP2340	CMU - South CL C.12.2	9	9	26-Jan-16	05-Feb-16	5 Day Workweek	■ CMU - South CL C.12.2																																			
HP2360	CMU - Black Box/North EL/Stair/East/Remaining Ext.	18	18	08-Feb-16	02-Mar-16	5 Day Workweek	■ CMU - Black Box/North EL/Stair/East/Remaining Ext.																																			
<b>South Elevation Courtyard - CLE.2-H - Seq #1</b>																																										
HP2370	Exterior Framing & Sheathing - South CY	5	5	26-Jan-16	01-Feb-16	5 Day Workweek	■ Exterior Framing & Sheathing - South CY																																			
HP2390	Insulation & AVB - South CY	5	5	29-Jan-16	04-Feb-16	5 Day Workweek	■ Insulation & AVB - South CY																																			
HP2440	Brick & Limestone - South CY	8	8	05-Feb-16	16-Feb-16	5 Day Workweek	■ Brick & Limestone - South CY																																			
HP2570	Curtainwall - South CY	8	8	17-Feb-16	26-Feb-16	5 Day Workweek	■ Curtainwall - South CY																																			
<b>East Elevation - Area B - CL7.8 - CL12.2 - Seq #2</b>																																										
HP2300	Exterior Framing & Sheathing - East	7	7	22-Jan-16	01-Feb-16	5 Day Workweek	■ Exterior Framing & Sheathing - East																																			
HP2330	Insulation & AVB - East	5	5	28-Jan-16	03-Feb-16	5 Day Workweek	■ Insulation & AVB - East																																			
HP2380	Brick & Limestone - East	12	12	02-Feb-16	17-Feb-16	5 Day Workweek	■ Brick & Limestone - East																																			
HP2540	Glass & Glazing - East	8	8	23-Feb-16	03-Mar-16	5 Day Workweek	■ Glass & Glazing - East																																			
<b>South Elevation CL 12.2 - Area B - Seq #3</b>																																										
HP2410	Insulation & AVB - South	4	4	08-Feb-16	11-Feb-16	5 Day Workweek	■ Insulation & AVB - South																																			
HP2480	Brick & Limestone - South	7	7	16-Feb-16	24-Feb-16	5 Day Workweek	■ Brick & Limestone - South																																			
<b>West Elevation - Area B - CL12.2-3.5 - Seq #4</b>																																										
HP2350	Exterior Framing & Sheathing - West	10	10	02-Feb-16	15-Feb-16	5 Day Workweek	■ Exterior Framing & Sheathing - West																																			
HP2400	Insulation & AVB - West	8	8	12-Feb-16	23-Feb-16	5 Day Workweek	■ Insulation & AVB - West																																			
HP2590	Brick & Limestone - West	15	15	24-Feb-16	15-Mar-16	5 Day Workweek	■ Brick & Limestone - West																																			

Start Date: 24-Nov-14  
 Finish Date: 28-Oct-16  
 Data Date: 14-Jan-15  
 Run Date: 26-Jan-15 13:19  
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Remaining Level of Effort	Critical Milestones
Actual Work	Milestone
Remaining Work	
Critical Remaining Work	
Summary Milestones	

THSD #113 - HPHS - Phase II - Renovations and Additions





9/29/2015

## THSD 113 2013 Referendum Master Plan Projects

## Cost Summary

Updated for Phase 2 bids and costs through 9/29/15

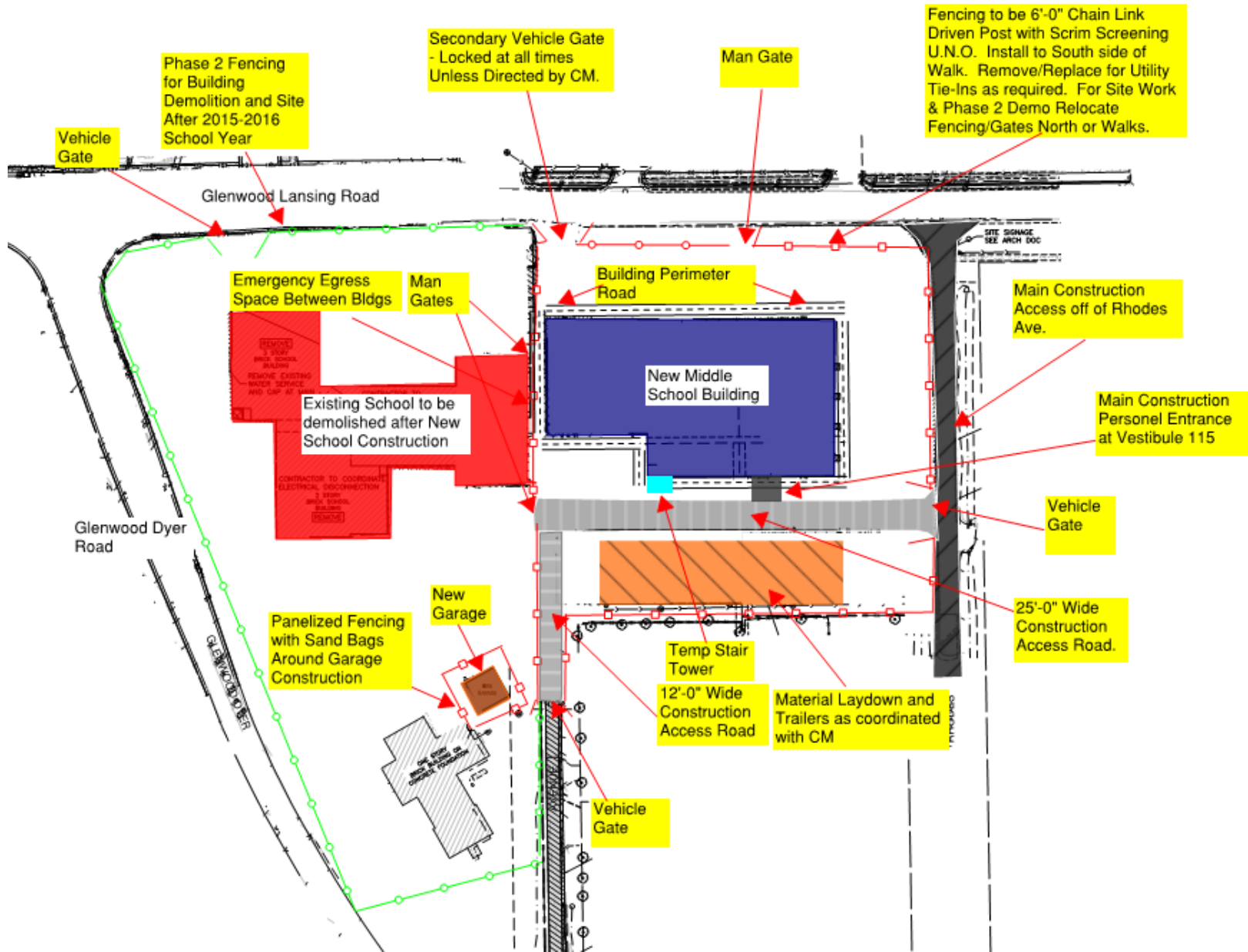
	Referendum	Budget 4/3/2015	Current Anticipated Cost 9/29/15
<b>2013 Improvements</b>			
Security Entrances (Final Cost)	\$400,000	\$400,000	\$400,000
Security/Door Access System	\$353,707	\$353,307	\$353,307
		\$753,307	\$753,307
<b>Phase 1 - Civil Improvements/Gyms/Pool/Infrastructure</b>			
Renovations	\$6,578,112	\$6,974,530	\$6,988,401
Sitework & Additions	\$41,273,269	<b>\$39,855,152</b>	<b>\$42,213,506</b>
		\$46,829,682	\$49,201,907
<b>Adjusted Subtotal - Phase 1</b>	<i>Net of VE</i>	\$47,582,989	\$49,955,214
<b>Phase 2</b>			
<i>Infrastructure &amp; ADA</i>	\$15,203,172	<i>Below</i>	
<i>Technology Cabling</i>	\$2,829,655	\$2,704,584	\$2,704,584
	\$18,032,826	\$2,704,584	\$2,704,584
<i>Additions/Building Renovations</i>			
<i>HPHS C/C Annex Replacement</i>	\$13,275,109	<i>Below</i>	<i>In Phase 2 Bids</i>
<i>HPHS B Building Ext. Restoration/Renovation</i>	\$5,142,018	\$2,973,486	\$2,973,486
<i>DHS Library Renovation/Courtyard Infill</i>	\$3,381,053	<i>Below</i>	<i>In Phase 2 Bids</i>
	\$21,798,180	\$2,973,486	\$2,973,486
<b>Phase 2 Bids</b>		<b>\$34,645,001</b>	\$35,470,334
<b>Subtotal - Phase 2</b>		<b>\$40,323,071</b>	<b>\$41,148,404</b>
<b>Subtotal Phase 1 and Phase 2</b>		<b>\$87,906,060</b>	<b>\$91,103,618</b>



- RFI/ASI/BULLETIN
- PRICING
- REVIEW/NEGOTIATION
- CHANGE ORDER



# SITE LOGISTICS/UTILIZATION PLANS









# JORDAN- BROOKWOOD MIDDLE SCHOOL





# CARRIE/MAX – CCD 3<sup>rd</sup> and 4<sup>th</sup> Floor Renovations





## COKE CAN ACTIVITY!

Based on what you have learned to date about architecture and engineering, we would like you to break up into teams to build some small model structures. The structures will be evaluated based on the following criteria

- The model must be able to span a minimum of 6". The model cannot be permanently attached to the testing bed.
- The structure must be able to hold a 4" x 4" x 4" solid cube within the structure, which cannot physically touch the cube when placed inside. Load will be placed on top of the cube.
- Views and light are very important both inside and outside the space, so two (2) sides are to have windows that are 3.5" x 3.5", and therefore cannot have any structural members within that space.
- A minimum of 1 side must have a solid wall inside the cube
- Materials used can only be those listed below and purchased through us.
- The structure must be able to hold approximately 350 grams of weight, which will be approximated by one (1) 12-ounce can of pop

The team that can build a structure meeting the requirements for the least amount of money will be awarded the assignment. Aesthetics are very important, and the owners will provide a maximum of \$10 bonus dollars to any projects which are more visually appealing. Each group will have a maximum of \$125 to purchase materials for their project, subject to the following price and lead-time schedule.