

**GLENBROOK HIGH SCHOOLS  
District Business Office**

**TO:** Dr. Riggle  
Hillarie Siena

**FROM:** Kimberly L. Ptak

**DATE:** MARCH 19, 2012

**RE:** Award of Life Safety & Infrastructure and Small Building Projects Bids

Recommendation

It is recommended that the Board of Education approve the following contracts, totaling \$1,799,591, as they relate to life safety & infrastructure work as well as the summer 2012 small building projects. Attached is a list of projects approved by the Board. Overall projects were \$7,391 or .41% over the estimate.

Bid Package	Contractor	Contract Amt.
Earthwork/Site utilities	Riemer Engineering	\$30,000
Abatement	Valor Technology	\$64,900
Demolition	Robinette Demo	\$48,700
General Trades	Monarch Construction	\$367,983
Flooring	Johnson Flooring	\$125,000
Plumbing	Jensen Plumbing	\$207,800
HVAC	DeKalb Mechanical	\$770,000
Electrical	Carey Electric	\$185,208
		\$1,799,591
Estimate		\$1,792,200
<b>OVER/(UNDER) Estimate</b>		<b>\$7,391</b>
<b>% OVER/(UNDER)</b>		<b>0.41%</b>

**GLENBROOK HSD 225 - \$10M LIFE SAFETY & INFRASTRUCTURE LIST  
TO BE COMPLETED SUMMER 2012**

<b><u>\$10M Bond Issuance</u></b>	<b><u>Brief Description</u></b>	<b>Summer 2012 FY 12/13</b>
<b><u>GLENBROOK NORTH</u></b>		
<b><u>Architectural Items:</u></b>		
Flooring & Asbestos		
- Carpet (IMC 11K sf/SAC Hallway 5580sf)	Carpet in these areas was installed over 12 years ago and will be replaced with the current, environmentally friendly, district standard.	100,000
- VCT tile art rooms, pe classroom and corridor		30,000
- Abatement of known areas	Abatement needs to occur in the GBN Art Rooms (vct), SAC Corridor (carpet), Main Gym 2nd floor SW corner classrooms and corridor(vct). In addition, the main toilet rooms will most likely have some in the pipe chase (elbows, pipe wrap).	85,000
Main Corridor - Toilet Room Renovation	Toilet rooms are orginial, this includes a complete renovation/replacement of fixtures, systems and finishes within each toilet room.	180,000
Running Track Replacement	The running track is over 15 years old and at end of it's useful life. There are high and low spots as well as settling issues and cracking in the rubberized surface. Scope of work includes subbase removal and replacement and new track surface.	
<b><u>Mechanical Items:</u></b>		
A/H Unit Main Gym	There are two heating only steam air handling units located in mechanical rooms at the northeast and southeast corners of the main gym. These are original units and are over 50 years old. The existing air handling units would be replaced with new air handling units. The existing ductwork would be reconnected. The existing steam and condensate piping would be reconnected to the units. New controls would be installed.	400,000

Applied Tech HVAC Upgrade B100/102	Applied Technology curriculum has changed from drawing and drafting to computer based systems. The existing air handling systems cannot maintain the proper environment in the labs with the computer equipment. The solution is to provide new rooftop air handling units with DX cooling to serve the Applied Tech rooms.	75,000
Isolation Valves rooms A209-A223 and Capacity Increases to Univentilators for Rooms C200-C206	This was bid as an alternate during summer FY 11 bidding. When the boilers are in operation these rooms tend to overheat because steam is entering the univents. Isolation valves need to be added to the units to restrict the steam. In addition, the univentilators serving the east side classrooms need to be increased in capacity to provide proper cooling of these spaces. The larger capacity vertical unit ventilators should be sized for low speed operation to provide for low fan noise for these spaces. Savings is estimated at \$900/year.	70,000
Replacement of Fieldhouse exhaust fans	This was bid as an alternate during summer FY 11 bidding. The replacement of the fieldhouse exhaust fans is necessary because these fans are original and have experienced metal fatigue. These fans are vital to the proper ventilation of the fieldhouse. Slight savings of \$300/year.	70,000
<b><u>Plumbing Items:</u></b>		
Replacement of old galvanized piping - Industrial Ed. Area	In the industrial ed area, domestic water piping is original and very restricted. New piping will restore domestic water pressure to proper levels.	65,000



Humidity Control - Chilled Water Piping in "F" Wing Basement	The chilled water piping in the north side tunnel has mold and condensation on the jacket. The condensation is due to the high humidity levels in the tunnels. In addition, there was standing water in the tunnels from ground water that seeped into the tunnels. The solution is to eliminate the standing water in the tunnels and to lower the humidity levels. There are existing sump pumps and basins in the tunnels but water is collecting in low spots away from the basins. The concrete floor of the tunnel needs to be channeled to direct the water to the basin. In addition, a commercial de-humidifier would need to be installed. Lastly, jackets will be cleaned to remove the mold.	45,000
<b>GBNORTH ~ TOTAL</b>		<b>1,120,000</b>
<b><u>GLENBROOK SOUTH</u></b>		
<b><u>Architectural Items:</u></b>		
Secure Front Entrance	This project encloses the front desk in the main entrance and creates a "mantrap"; similar to those that exist at GBN and Off Campus. This would also gives the flexibility in the future to house the switchboard equipment and give that role a dual function.	60,000
<b><u>Mechanical Items:</u></b>		
10-year Chiller Rebuild	As part of a preventative maintenance plan, chillers are recommended to be "rebuilt" every 10-years to ensure parts are working properly.	20,000
Replace Domestic Hot Water Heaters	The existing gas fired hot water heaters that provide domestic hot water to the buildings for kitchen use, showers and sinks do not operate reliably and require frequent repair to maintain them in operating condition. It is recommended that these units be replaced with new high efficiency gas fired hot water heaters and connect to the existing domestic hot water system. Savings: \$5K/year.	125,000

Storm Water Control	The flooding of the track on the north end of the gym occurs with heavy rains. The drains outside on the walkways cannot handle the volume of water coming off the domed roof during these downpours. The water runs down the stairs on the west side and proceeds to run under the doors which are below grade flooding the track area as well as the PE office and Training room. Historically these doors were used for PE classes and athletic teams to get to the fields. Instead, they now use the doors by the fitness center.	50,000
<b>GBSOUTH</b>		<b>255,000</b>
<b><u>DISTRICT-WIDE 3801 &amp; 1835</u></b>		
General Contingency		
<b>DISTRICT OFFICE</b>		
<b>Total with contingency</b>		<b>1,416,250</b>
<b>Small building projects (GBN culinary lab, GBS guidance)</b>		<b>375,950</b>
	<b>ESTIMATE for bidding:</b>	<b>1,792,200</b>