

GLENBROOK HIGH SCHOOLS
District Business Office

TO: Dr. Riggle
 Hillarie Siena

FROM: Kimberly L. Ptak

DATE: MARCH 12, 2012

RE: **DISCUSSION: Overall Summary of Bid Results**

It is recommended that the Board of Education

1. Approve the following contracts for summer 2012 construction work. Overall bid results are \$199,172 under budget or 4.85%.
2. Approve an alternate for the artificial turf surface for GBN turf field. This would lock in the price for the summer of 2013 and would provide a \$20,000 discount. This is \$63,878 under the estimate or 12%.

<u>RECOMMENDATION #1</u>		Total
Bid Package	Contractor	Contract
Earthwork/Site utilities	Reimer Eng.	\$1,047,400
Paving/(Running Track)	Accu-Paving	\$174,600
Artificial Turf/Earthwork	Field Turf	\$497,016
Abatement	Valor Technology	\$64,900
Demolition	Robinette Demo	\$48,700
General Trades	Monarch Constr.	\$367,983
Flooring	Johnson Flooring	\$125,000
Plumbing	Jensen Plumbing	\$207,800
HVAC	DeKalb Mech.	\$770,000
Electrical	Carey Electric	\$185,208
Roofing	L. Marshal Roofing	\$615,250
		\$4,103,857
Estimate		\$4,303,029
OVER/(UNDER) Estimate		(\$199,172)
% OVER/(UNDER)		-4.85%
<u>RECOMMENDATION #2</u>		
Alternate 1: GBN Field Surface	Field Turf	\$491,622
Discount: Locking both		<u>(\$20,000)</u>
		\$471,622
Estimate for GBN Field Surface		\$535,500
OVER/(UNDER) Estimate		(\$63,878)
		-12%
Total OVER/(UNDER) Project Estimate		(\$263,050)
		-5.75%

**GLENBROOK HIGH SCHOOLS
District Business Office**

**TO: Dr. Riggle
Hillarie Siena**

FROM: Kimberly L. Ptak

DATE: MARCH 12, 2012

RE: DISCUSSION: Artificial Turf Field & Track Repair Bid Results

Recommendation

It is recommended that the Board of Education approve the following contracts as they relate to the installation of an artificial turf field and track repair work at GBS. In addition, it is recommended that the Board of Education approve the alternate for an artificial field surface at GBN to be installed the summer of 2013. By locking in the price now, a \$20,000 discount is being offered.

Bid Package	Contractor	Actual	Estimate	OVER/ (UNDER)
Earthwork/Site utilities	Riemer Engineering	\$967,400	\$744,600	\$222,800
Paving/(Running Track)	Accu-Paving	\$60,000	\$229,500	-\$169,500
Artificial Turf/Earthwork	Field Turf	\$497,016	\$535,500	-\$38,484
		\$1,524,416	\$1,509,600	\$14,816 0.97%
	Contractor	Actual	Estimate	OVER/ (UNDER)
Alternate 1: GBN Field Surface	Field Turf	\$491,622	\$535,500	
Discount: Locking GBN and GBS		(\$20,000)	\$0	
		\$471,622	\$535,500	(\$63,878)
Total OVER/(UNDER)				-\$49,062 -2.46%

Earthwork/Site Utilities: The estimate was based on the typical 12" topsoil depth throughout the stadium field area. Recent soil boring investigation depicted an average of 30" topsoil depth. The removal and replacement of this additional 18 inches of material over the area of a 100K sf field resulted in the cost overage seen through the bidding process. Samples were taken at GBN and the average topsoil depth is 11", therefore, the GBN estimate should not need to be adjusted.

Running Track: The estimate was based on overlaying 1" of asphalt over the track, resurfacing and restriping. Soil borings determined the existing track is structurally in good condition and the application of a structural spray, as opposed to replacing the track, will help maintain and prolong the life of the existing (latex) track for another 10-12 years.

Turf Surface: In selecting the type of artificial turf surface to specify in the bid, a committee comprised of the athletic directors, associate principals, plant operators, coaches, ARCON, Nicholas, Dr. Riggle and myself, toured four area high schools, each with a different turf surface product – Field Turf, Sportex, Mondo and Astro Turf; essentially the four, most prevalent products in our area. Based on the tour, feedback from the athletic directors and coaches who have been playing on the various artificial surfaces for many years, reputation of the products, longevity of the product and number of fields installed, the committee unanimously agreed to specify two of the four products in the bid, Field Turf and Sportex. Sportex decided not to submit a bid. Since only one bid was received, I compared the price per square foot of our bid, with the costs Field Turf recently charged to New Trier, District 214 and Highland Park/Deerfield, as well as the cost per square foot in a national bid recently awarded to Field Turf. Our price per square foot of \$4.75 is on the low end of a very tight range.

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TO: Dr. Riggle
 Hillarie Siena

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DATE: MARCH 12, 2012

RE: DISCUSSION: Life Safety & Infrastructure and Small Building Projects

Recommendation

It is recommended that the Board of Education approve the following contracts 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. Also attached is a rendering of the proposed security vestibule at GBS, which is one of the life safety/infrastructure projects scheduled for this summer.

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
OVER/(UNDER) Estimate		\$7,391
% OVER/(UNDER)		0.41%

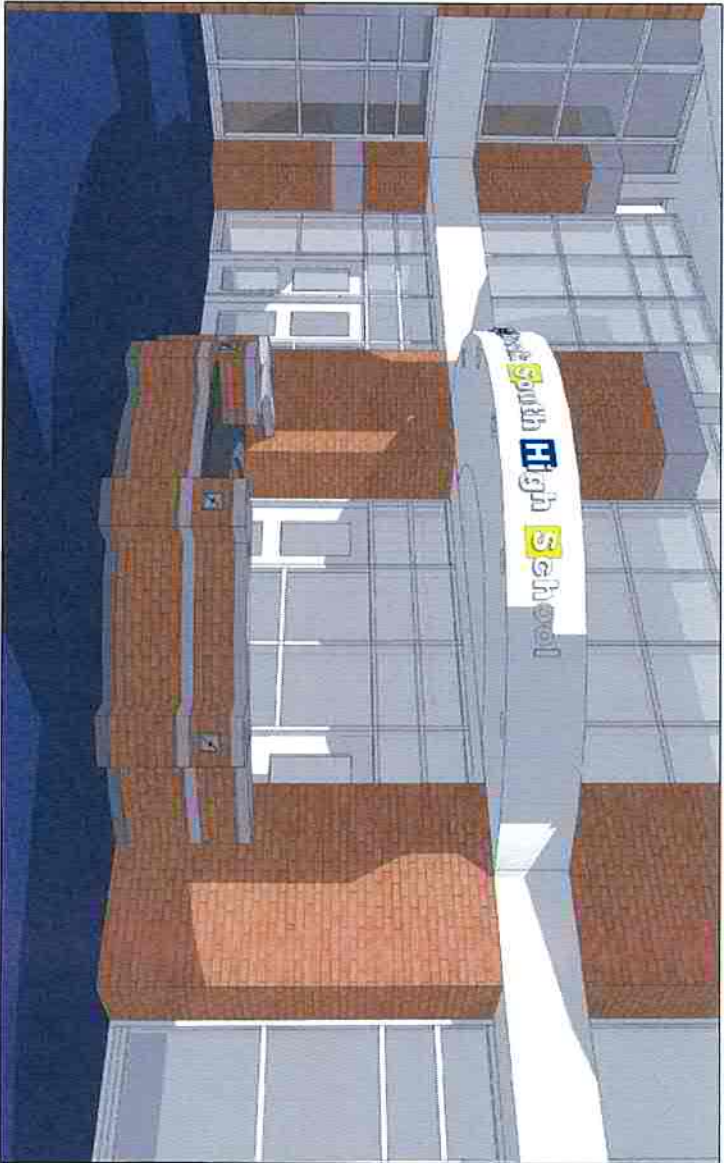
**GLENBROOK HSD 225 - \$10M LIFE SAFETY & INFRASTRUCTURE LIST
TO BE COMPLETED SUMMER 2012**

\$10M Bond Issuance	Brief Description	Summer 2012 FY 12/13
<u>GLENBROOK NORTH</u>		
<u>Architectural Items:</u>		
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.	
<u>Mechanical Items:</u>		
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
<u>Plumbing Items:</u>		
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
GBNORTH ~ TOTAL		1,120,000
<u>GLENBROOK SOUTH</u>		
<u>Architectural Items:</u>		
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
<u>Mechanical Items:</u>		
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
GBSOUTH		255,000
<u>DISTRICT-WIDE 3801 & 1835</u>		
General Contingency		
DISTRICT OFFICE		
Total with contingency		1,416,250
Small building projects (GBN culinary lab, GBS guidance)		375,950
	ESTIMATE for bidding:	1,792,200



SECURITY VESTIBULE:

OPTION 4- NO WINDOWS & RADIUS = 9'-6"

GLENBROOK SOUTH H.S. - PROPOSED 2012 WORK

AS OF: 11-9-11

**GLENBROOK HIGH SCHOOLS
District Business Office**

**TO: Dr. Riggle
Hillarie Siena**

FROM: Kimberly L. Ptak



DATE: MARCH 12, 2012



RE: DISCUSSION: Roofing and Masonry Bids

Recommendation

It is recommended that the Board of Education approve the following base bid and alternate as they relate to the roofing and masonry work at Glenbrook North and Glenbrook South High Schools. Six bids were received. Bids were \$226,094 under budget.

	<u>Base Bid</u>	<u>Alternates – Listed as Priority 3</u>	<u>Total</u>
L. Marshal Roofing	\$521,000	\$94,250	\$615,250
Estimate	\$691,409	\$149,935	<u>\$841,344</u> (\$226,094)

<u>GLENBROOK NORTH</u>	
<p>Areas 22.1, 22.8, 22.9 <u>PRIORITY #1</u> “A” Building penthouse replace wall grills and adjacent wet roof spots. The roof was replaced in 2002, however the grills were not replaced at that time. Water is infiltrating in through the grills resulting in wet spots on the adjacent roofing area.</p> 	<p>\$322,158</p>
<p>Areas 27.3, 27.4, 27.6 <u>PRIORITY #1</u> Replace roof in CPA north and south stairs and CPA lobby. The lobby roof is original (1977). This is an area where leaks have been experienced.</p> 	<p>\$175,801</p>

<p>Areas 22.9 and 22.8 <u>PRIORITY #3</u></p> <p>IMC Outside Portico – these are masonry column wraps in the portico outside of the IMC (northeast corner). Several of the columns are in poor condition with open stone cap joints and deteriorated manonry. The scope is to reconstruct and redesign new column wraps for better drainage.</p> 	<p>\$63,648 (Alt).</p>
<p>Install new roof ladders at some locations; install ladder safety equipment at other ladder locations. <u>PRIORITY #2</u></p> 	<p>\$43,174</p>
<p>Auditorium House East Wall tuckpointing <u>PRIORITY #1</u></p>	<p>\$91,869</p>
<p>Gymnasium wall masonry flashing repairs <u>PRIORITY #3</u></p>	<p>\$86,292 (Alt).</p>
<p><u>GLENBROOK SOUTH</u></p>	
<p>Area 4.3 Swimming Pool Corridor: repair wet and blocked drain <u>PRIORITY #1</u></p>	<p>\$5,100</p>
<p>Area 51.1 repair metal expansion joing <u>PRIORITY #1</u></p>	<p>\$4,243</p>
<p>Area 31.0 Foyer at 2nd floor repair metal wall panels <u>PRIORITY #1</u></p>	<p>\$10,820</p>



Install new roof ladders at some locations; install ladder safety equipment at other ladder locations. PRIORITY #2	\$34,158
3801 W. Lake Ave	
Limited wall repair of northwest corner and fascia repair PRIORITY #2	\$4,080
Total	\$841,344

**GLENBROOK HIGH SCHOOLS
District Business Office**

**TO: Dr. Riggle
Hillary Siena**

FROM: Kimberly L. Ptak

DATE: MARCH 12, 2012

RE: DISCUSSION: Paving, Concrete & Fencing

Recommendation

It is recommended that the Board of Education approve the following bids as they relate to paving, concrete and fencing work at Glenbrook North and Glenbrook South High Schools. Bids were \$4,715 or 2.86% over budget.

Bid Package	Contractor	Paving Concrete
Earthwork/Site utilities Paving/Fencing	Riemer Engineering	\$50,000
	Accu-Paving	\$114,600
		\$164,600
Estimate		\$159,885
OVER/(UNDER) Estimate		\$4,715
% OVER/(UNDER)		2.86%

<u>GLENBROOK NORTH PAVING & CONCRETE</u>	
Area A and C: Concrete walk replacement at (2) east visitor doors	\$49,200
Miscellaneous concrete walk replacement and HC ramp replacement at various entrances	\$9,435
<u>GLENBROOK NORTH FENCING</u>	
Chiller fencing with privacy slats	\$4,250
Dumpster fencing with privacy slats	\$2,550
<u>GLENBROOK SOUTH PAVING & CONCRETE</u>	
Area A: Brick paver repair	\$5,850
Area C: North bus entry heavy duty asphalt patch	\$19,550
Three Lanes out to Pfingsten – Painting/Striping	\$6,700
New Drive from Stadium to Hospital Drive	\$51,000
<u>GLENBROOK SOUTH FENCING</u>	
Backstop in South Soccer Field	\$8,800
Lacrosse Field Fencing Repair	\$2,550
TOTAL with Fees & Contingencies	\$159,885