

**GLENBROOK HSD 225 - \$10M LIFE SAFETY & INFRASTRUCTURE LIST**  
**COMPLETED SUMMER 2011**

		Summer 2011 FY 11/12
<b><u>\$10M Bond Issuance</u></b>	<b><u>Brief Description</u></b>	
<b><u>GLENBROOK NORTH</u></b>		
<b><u>Architectural Items:</u></b>		
Windows Replacement	Replace windows in C113b (SAC Office) all other windows at GBN have been replaced within the last 10 years.	80,000
Fieldhouse Floor Replacement	The fieldhouse floor is original, installed in 1989 and at end of useful life. Frequent repairs are now needed for tears and rips.	475,000
Fieldhouse - Paint ceiling and wall area		60,000
Fieldhouse - Translucent Panel System (added 12/14/10)		160,000
Tennis Court Resurfacing (leveling/crack patch/fill)- 12	Recommended every 5-7 years.	40,000
Exterior Doors to Fieldhouse/Back Gyms and PE locker room doors	The exterior doors to the fieldhouse and back gyms have deteriorated and are in need of replacement. In addition, interior locker room doors have plastic locking mechanisms that can be broken.	60,000
Main Gym Toilet Room Renovation	Toilet rooms are original, this includes a complete renovation/replacement of fixtures, systems and finishes within each toilet room.	180,000
Back Gym Toilet Room Conversion		180,000
CPA Drape Flame-proofing	Every 7 years, National Fire Protection Code requires drapes to be flame-proofed.	30,000
<b><u>Mechanical Items:</u></b>		
Corridor Cabinet Heater Replacement - <b><u>estimate reduced from \$150,000 (9/15/10).</u></b>	There are 10 original unit heaters in the doorway and vestibule area that are no longer functioning properly.	75,000
Replace univents in Spartan Conference room to DX unit	Currently a univent system is run by the chillers or boilers, meaning in order to get cooling/heating in the Spartan conference room a chiller or boiler needs to be running. A DX unit will allow the Spartan Conf room to be self-supporting.	20,000

## COMPLETED PROJECTS

Technology Server Rooms / Closet Cooling/Generator	This will provide proper cooling in all MDF/IDF closets and provide a link to the back-up generator where necessary.	160,000
Chiller - Additional (3rd Chiller - Energy Efficient Model)	Currently there are (2) 550 ton chillers with a capacity load of 80-85% on a heavy-load day. The new 325 ton chiller will serve the building during light loads and provide redundancy.	350,000
Back Gyms - Steam Valve Replacement	The steam valves which bring heat to the back gyms is original, 50 year old equipment. This will replace the equipment and change controls from neumatic to electric.	40,000
Domestic Boiler Replacement	The domestic hot water boiler is original and has exceeded the useful life.	95,000
10-year chiller rebuild - 1 chiller	As part of a preventative maintenance plan, chillers are recommended to be "rebuilt" every 10-years to ensure parts are working properly.	45,000
Frequency Drive Replacement	Frequency drives, which control fan speed based on needs of the building, should be replaced every 10-years. This amount builds up proper inventory of drives.	55,000
A/H Unit CPA Replacement	Pump replacement and repiping.	21,000
<b><u>Plumbing Items:</u></b>		
Boiler Room - Ejector Pumps Controls	Ejector pump controls are original and somewhat manual, this replaces the pumps and puts them on the building automated system. They pump building waste to the sanitary sewers.	50,000
Plumbing in Men's/Woman's coaches/varsity locker room (estimate increased from \$60,000 9/15/10.)	Additional plumbing to add showers for coaches. Also, provide temperature controls to this area.	110,000
<b>GBNORTH ~ TOTAL</b>		<b>2,426,000</b>
<b><u>GLENBROOK SOUTH</u></b>		
<b><u>Architectural Items:</u></b>		
Window Replacement (New Pit Skylight)	Skylight has frequent leaks, is original and in need of replacement.	120,000
Guardrailing and Handrailing Replacements (Aud. & Gym, Scene Shop, other)	As part of life safety, certain guardrails and handrailings need to be replaced.	100,000
Fieldhouse Floor Replacement	The fieldhouse floor is original, installed in 1989 and at end of useful life. Frequent repairs are now needed for tears and rips.	475,000
Fieldhouse Paint Ceilings and Walls		60,000
Flooring & Asbestos		

## COMPLETED PROJECTS

- Carpet / Flooring (Corridors, IMC, Lyceum)	Carpet in these corridors was installed over 12 years ago and will be replaced with the current, environmentally friendly, district standard.	450,000
- VCT pool lobby, nurse's office, art rooms, main office toilet rooms		30,000
- Abatement of known areas (increased 12/14/10)		160,000
- Repair and refinish terrazzo stairs in new and old pit and main gym.		80,000
Tennis Court Resurfacing (10cts crack patch and fill)		40,000
Corridor Locker Replacement (\$250 per locker)		
- Area A: 1st Floor East (Old Pit)	Lockers are 9 inch, original (1962) and in poor condition. This replaces the lockers with new 12 inch lockers.	65,000
- Area B: 1st Floor South (New Pit)		150,000
- Area C: 2nd Floor East (Old Pit)		165,000
- Area D: 2nd Floor South (New Pit)		170,000
Drape Flame-proofing	Every 7 years, National Fire Protection Code requires drapes to be flame-proofed.	20,000
<b><u>Mechanical Items:</u></b>		
Air Handling Replacement - Auditorium - 3 units <b><u>(decreased from \$495,000 9/15/10)</u></b>	(3) Auditorium units are original and not energy efficient. Units will be replaced with more energy efficient units and tied in to the building automation/control system.	455,000
Air Handling Replacement - Auto Shop and Exhaust	Equipment is original and no longer functioning properly.	165,000
Add Supplemental Cooling (South / Math Wing)	During hot weather months, proper cooling cannot be provided in the far south wing.	55,000
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.	50,000
Reinstall baseboard heater in the outer guidance office area (courtyard side).	Radiant baseboard heat in the guidance office area is necessary along the outside "courtyard" window walls to temper the cold outside air infiltration during winter months. To compensate for not having these baseboard heaters, the air handler is run 24/7 during winter months.	55,000
Upgrade Nesbit CUH (cabinet unit heaters) in North Gym and Applied Tech hall	These cabinet unit heaters are original and not functioning properly. They will be replaced and added to the building control system.	50,000

## COMPLETED PROJECTS

Corridor Cabinet Unit Heaters at Entrances "H", "I" "O" and "SS"	New cabinet heaters in these stair/vestibules are necessary to prevent fire sprinkler piping from freezing during winter months. The heat from the existing VAV system is not adequate.	80,000
Technology Server Rooms / Closet Cooling	This will provide proper cooling in all MDF/IDF closets and provide a link to the back-up generator where necessary.	150,000
Air Handling Replacement - Music Room Unit	This unit is original equipment and will be replaced and added to the building control system.	225,000
Exhaust / Ventilation Jewelry Room & Work Stations	Existing exhaust is old, a new specialized exhaust system is required for proper bench soldering.	50,000
Frequency Drives	Frequency drives, which control fan speed based on needs of the building, should be replaced every 10-years. This amount builds up proper inventory of drives.	55,000
<b>Plumbing Items:</b>		
Domestic Water Pipe Replacements (Boiler Room to Cafeteria)	This is the last section of known galvanized pipe in the building. All other galvanized pipe has been replaced due to deterioration.	40,000
<b>GBSOUTH ~ TOTAL</b>		<b>3,515,000</b>
<b><u>DISTRICT-WIDE 3801 &amp; 1835</u></b>		
Voice Over IP	Cost for converting the entire district to Voice Over IP.	255,000
<b>DISTRICT OFFICE ~ TOTAL</b>		<b>255,000</b>
<b>TOTAL w/FEES &amp; CONTINGENCIES:</b>		<b>7,323,200</b>

**NOTE:** Construction Contingency money budgeted was \$170,000. Only \$58,000 was spent on the GBS west, staff parking lot. Therefore, project came in \$112,000 UNDER budget.