

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

Glassboro Board of Education				
Pre-referendum Services FVHD 4388				
<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
	<b>1</b>	<b>Proposed Question #1</b>		
<b>GHS</b>	<b>1</b>	<b>Question 1- High School</b>		
<b>GHS</b>	<b>1</b>	Gymnasium- roof Replacement	<b>Bldg Int</b>	\$264,851
<b>GHS</b>	<b>1</b>	Main Hallway, Locker Rooms, and Music Rooms- Roof replacement	<b>Bldg Int</b>	\$360,625
<b>GHS</b>	<b>1</b>	B-Wing- Roof replacement	<b>Bldg Int</b>	\$156,503
<b>GHS</b>	<b>1</b>	C-Wing- Roof replacement	<b>Bldg Int</b>	\$187,268
<b>GHS</b>	<b>1</b>	Deck restoration allowance (assumes 25% of work area)	<b>Bldg Int</b>	\$171,981
<b>GHS</b>	<b>1</b>	Roof drain/piping allowance	<b>Bldg Int</b>	\$68,792
<b>GHS</b>	<b>1</b>	Masonry rising wall flashing/weepholes	<b>Bldg Int</b>	\$151,343
<b>GHS</b>	<b>1</b>	Roof Repairs on 1997 Roof Replacements (Garland, under warranty)- replace deteriorated flashings, re-coat as needed per manufacturers recommendations.	<b>Bldg Int</b>	\$175,166
<b>GHS</b>	<b>1</b>	Fire alarm system replacement (1997)- existing system is FCI. Rep is Safe-Tech, John Barrett, 856-979-3009)	<b>Life Safety</b>	\$436,322
<b>GHS</b>	<b>1</b>	Room A101- Convert to main office/reception and construct secure vestibule. Moderate renovation scope of work.	<b>Security</b>	\$184,083

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
GHS	1	Guidance Offices/Existing main office and administrative area- renovate for more functionality. Demolition/moderate renovation scope of work.	Security	\$244,468
GHS	1	Construct secure entrance vestibule- included above		\$0
GHS	1	Exterior cameras- IP based with cabling, etc.	Security	\$73,379
GHS	1	Interior cameras- IP based with cabling, etc.	Security	\$114,654
GHS	1	Door access controls/door intercom	Security	\$40,766
GHS	1	Intrusion detection system upgrades	Security	\$12,739
GHS	1	Programming, software and licenses	Security	\$19,109
GHS	1	Technology upgrades- switches, servers, storage to support security	Security	\$38,218
GHS	1	Replace clock/PA system, district-wide integration (Cisco Unified Communications System)- Cisco based IP phones, 911 auto dial, messaging, other features TBD	Security	\$435,685
GHS	1	Replacement of all interior doors w/hardware, re-use existing frames- intruder locksets	Security	\$206,377
GHS	1	Change hardware at newer doors to intruder function	Security	\$28,663
GHS	1	Replace kitchen grease trap and piping as needed	Crit Sys	\$50,957
GHS	1	Toilet room renovations- large and small rooms throughout including main office and faculty rooms. Includes chase piping. Include EWC replacement with bottle fill EWCs.	Crit Sys	\$275,170

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
GHS	1	Replace domestic hot water heater, renovate piping and install re-circ system	Crit Sys	\$82,806
GHS	1	Water and sanitary line to trainers room	Crit Sys	\$95,545
GHS	1	Technology upgrades to support classroom instruction- fiber, racks, cabling, wireless access points.	Crit Program Need	\$254,787
GHS	1	Replace fan coil units in two original science rooms. Near point of failure.	Crit Sys	\$101,915
GHS	1	Replace auditorium,stage and media center air handler units which are approaching failure. Includes electrical and controls wiring.	Crit Sys	\$286,635
GHS	2	Science wing addition- summer dehumidification needed (possible hot gas bypass), adjust for better heat distribution in winter.	Energy	\$38,218
GHS	1	New electrical panel and feeder to support air handler replacement	Crit Sys	\$63,697
GHS	1	ATC head end and software upgrades with programming- Tozour JACE System to support air handler replacement.	Crit Sys	\$50,957
GHS	1	Asbestos abatement allowance	Crit Sys	\$63,697
GHS	1	Replace cooling tower- existing (Marley) is corroded and near failure. Interior chiller unit to be replaced under separate project.	Crit Sys	\$159,242
GHS	1	Structural and roofing work for cooling tower	Crit Sys	\$50,957
GHS	1	<b>Question 1- High School Project Total Cost</b>		<b>\$4,945,574</b>

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
<b>GIS</b>	<b>1</b>	<b>Question 1- Intermediate School</b>		
<b>GIS</b>	<b>1</b>	Correct water infiltration problem at roof perimeter/masonry walls- cast stone restoration	<b>Bldg Int</b>	\$269,179
<b>GIS</b>	<b>1</b>	Exterior stair repairs at main entrance and cafeteria- restoration	<b>Crit Sys</b>	\$50,669
<b>GIS</b>	<b>1</b>	Re-plaster stair towers, plaster repairs throughout	<b>Bldg Int</b>	\$95,004
<b>GIS</b>	<b>1</b>	Roof Repairs- 1997 Garland Roof- base flashing, flashing at parapets, and re-coat per mfrs recc. And misc. repairs on metal roof. 1/21/14- Increased unit price.	<b>Bldg Int</b>	\$95,004
<b>GIS</b>	<b>1</b>	Replace/restore chimney pan and chimney masonry	<b>Bldg Int</b>	\$0
<b>GIS</b>	<b>1</b>	Fire alarm system replacement (1997)- existing system is FCI. Rep is Safe-Tech, John Barrett, 856-979-3009)	<b>Life Safety</b>	\$386,351
<b>GIS</b>	<b>1</b>	Construct secure entry vestibule	<b>Security</b>	\$38,002
<b>GIS</b>	<b>1</b>	Exterior cameras- IP based with cabling, etc.	<b>Security</b>	\$48,642
<b>GIS</b>	<b>1</b>	Door access controls/door intercom	<b>Security</b>	\$25,334
<b>GIS</b>	<b>1</b>	Intrusion detection system upgrades	<b>Security</b>	\$6,334
<b>GIS</b>	<b>1</b>	Programming, software and licenses	<b>Security</b>	\$6,334
<b>GIS</b>	<b>1</b>	Technology upgrades- switches, servers, storage to support security	<b>Security</b>	\$12,667
<b>GIS</b>	<b>1</b>	Replace clock/PA system, district-wide integration (Cisco Unified Communications System)- Cisco based IP phones, 911 auto dial, messaging, other features TBD	<b>Security</b>	\$300,150
<b>GIS</b>	<b>1</b>	Interior cameras- IP based with cabling, etc.	<b>Security</b>	\$76,003
<b>GIS</b>	<b>1</b>	Replacement of all interior doors w/hardware, re-use existing frames- intruder locksets	<b>Security</b>	\$85,504

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
GIS	1	Change hardware at newer doors to intruder function	Security	\$28,501
GIS	1	Misc repairs and finishes upgrades to student toilet rooms second and third floors	Crit Sys	\$24,321
GIS	1	Replace plumbing (supply and waste) to all multi stall bathrooms (house piping in basement), replace sink faucets	Crit Sys	\$136,806
GIS	1	Asbestos abatement allowance related to critical plumbing work	Crit Sys	\$63,336
GIS	1	Install smaller HW heaters on each floor to service toilet rooms and sinks Domestic cold water and hot water	Crit Sys	\$63,336
GIS	1	ATC head end and software upgrades with programming- Tozour JACE System	Crit Sys	\$50,669
GIS	1	ATC misc upgrades on existing equipment	Crit Sys	\$270,446
GIS	1	Technology upgrades to support classroom instruction- fiber, racks, cabling, wireless access points.	Crit Program Need	\$126,672
GIS	1	<b>Question 1- Intermediate School Totals</b>		<b>\$2,259,267</b>

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
<b>DBES</b>	<b>1</b>	<b>Question 1- Dorothy Bullock School</b>		
<b>DBES</b>	<b>1</b>	Roof Replacement- original 1992 Firestone EPDM roof no longer under warranty. Replace with new SBS modified bitumen roofing system.	<b>Bldg Int</b>	\$221,893
<b>DBES</b>	<b>1</b>	Roof metal- replace flashings, replace deteriorated gutters and downspouts	<b>Bldg Int</b>	\$94,557
<b>DBES</b>	<b>1</b>	Address front entrance vestibule leaks	<b>Bldg Int</b>	
<b>DBES</b>	<b>1</b>	Fire alarm system replacement (1992)- existing system is Simplex.	<b>Life Safety</b>	\$489,804
<b>DBES</b>	<b>1</b>	Install secure vestibule at main entrance	<b>Security</b>	\$50,430
<b>DBES</b>	<b>1</b>	Change all locksets and exit devices to intruder function (district standard BestLock)	<b>Security</b>	\$28,367
<b>DBES</b>	<b>1</b>	Exterior cameras- IP based with cabling, etc.	<b>Security</b>	\$48,413
<b>DBES</b>	<b>1</b>	Door access controls/door intercom	<b>Security</b>	\$25,215
<b>DBES</b>	<b>1</b>	Intrusion detection system upgrades	<b>Security</b>	\$6,304
<b>DBES</b>	<b>1</b>	Programming, software and licenses	<b>Security</b>	\$6,304
<b>DBES</b>	<b>1</b>	Technology upgrades- switches, servers, storage to support security	<b>Security</b>	\$6,304
<b>DBES</b>	<b>1</b>	Replace clock/PA system, district-wide integration (Cisco Unified Communications System)- Cisco based IP phones, 911 auto dial, messaging, other features TBD	<b>Security</b>	\$331,705
<b>DBES</b>	<b>1</b>	MP room sound system replacement/upgrades with wireless and hearing impaired	<b>Crit Sys</b>	\$56,734
<b>DBES</b>	<b>1</b>	Interior cameras- IP based with cabling, etc.	<b>Security</b>	\$75,645
<b>DBES</b>	<b>1</b>	Remote PA system for MP Room/Gym	<b>Security</b>	\$31,519
<b>DBES</b>	<b>1</b>	Remote PA system for cafeteria	<b>Security</b>	\$44,127

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
<b>DBES</b>	<b>1</b>	Playground replacement/upgrades including equipment (Two playgrounds- A and D wings)	<b>Crit Sys</b>	\$151,291
<b>DBES</b>	<b>1</b>	Technology upgrades to support classroom instruction- fiber, racks, cabling, wireless access points.	<b>Crit Program Need</b>	\$63,038
<b>DBES</b>	<b>1</b>	Replace domestic hot water mixing valves	<b>Crit Sys</b>	\$12,608
<b>DBES</b>	<b>1</b>	Replace RTU (make-up air unit) at kitchen	<b>Crit Sys</b>	\$63,038
<b>DBES</b>	<b>1</b>	Chiller replacement- existing chiller is nearing failure, mfr. (Trane) refuses to provide service warranty.	<b>Crit Sys</b>	\$353,012
<b>DBES</b>	<b>1</b>	Corridor heating units- replacement (added 1/22/14)	<b>Crit Sys</b>	\$75,645
<b>DBES</b>	<b>1</b>	<b>Question 1- Dorothy Bullock School Totals</b>		<b>\$2,235,953</b>

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
<b>JHR</b>	<b>1</b>	<b>Question 1- J Harvey Rodgers School</b>		
<b>JHR</b>	<b>1</b>	Roof replacement at A wing: 15 year EPDM roof warranty expires 2016 to make solar ready. New system SBS modified.	<b>Bldg Int</b>	\$490,445
<b>JHR</b>	<b>1</b>	Provide new fire alarm system for entire building-merge two separate existing systems	<b>Life Safety</b>	\$276,661
<b>JHR</b>	<b>1</b>	Install secure vestibule at main entrance	<b>Security</b>	\$37,727
<b>JHR</b>	<b>1</b>	Replacement of all interior doors w/hardware, re-use existing frames- intruder locksets.	<b>Security</b>	\$69,165
<b>JHR</b>	<b>1</b>	Change hardware at newer doors to intruder function- Includes classrooms and storage rooms.	<b>Security</b>	\$28,295
<b>JHR</b>	<b>1</b>	Exterior cameras- IP based with cabling, etc.	<b>Security</b>	\$32,193
<b>JHR</b>	<b>1</b>	Door access controls/door intercom	<b>Security</b>	\$20,121
<b>JHR</b>	<b>1</b>	Intrusion detection system upgrades	<b>Security</b>	\$6,288
<b>JHR</b>	<b>1</b>	Programming, software and licenses	<b>Security</b>	\$6,288
<b>JHR</b>	<b>1</b>	Technology upgrades- switches, servers, storage to support security	<b>Security</b>	\$6,288
<b>JHR</b>	<b>1</b>	Replace clock/PA system, district-wide integration (Cisco Unified Communications System)- Cisco based IP phones, 911 auto dial, messaging, other features TBD	<b>Security</b>	\$172,536
<b>JHR</b>	<b>1</b>	Interior cameras- IP based with cabling, etc.	<b>Security</b>	\$37,727
<b>JHR</b>	<b>1</b>	Renovate B-wing toilet rooms	<b>Crit Sys</b>	\$150,906
<b>JHR</b>	<b>1</b>	Domestic hot water loop to B Block connect to existing HW heater	<b>Crit Sys</b>	\$37,727



**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
<b>JHR</b>	<b>1</b>	Technology upgrades to support classroom instruction- fiber, racks, cabling, wireless access points.	<b>Crit Program Need</b>	\$62,878
<b>JHR</b>	<b>1</b>	Playground upgrades and remove asphalt area	<b>Crit Sys</b>	\$125,755
<b>JHR</b>	<b>1</b>	<b>Question 1- J Harvey Rodgers School Totals</b>		<b>\$1,560,998</b>

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
<b>TBES</b>	<b>1</b>	<b>Question 1- Thomas Bowe School</b>		
<b>TBES</b>	<b>1</b>	Roof Repairs- 1997 Garland Roof- base flashing and re-coat per mfrs recc. And misc. maintenance on metal roof. 1/21/14- Reduced unit cost and overall cost.	<b>Bldg Int</b>	\$241,971
<b>TBES</b>	<b>1</b>	Replace through wall flashing at the gym	<b>Bldg Int</b>	\$45,370
<b>TBES</b>	<b>1</b>	Fire alarm system replacement (1997)- existing system is FCI. Rep is Safe-Tech, John Barrett, 856-979-3009)	<b>Life Safety</b>	\$390,683
<b>TBES</b>	<b>1</b>	Main entrance modifications to improve security-construct entrance vestibule	<b>Security</b>	\$37,808
<b>TBES</b>	<b>1</b>	Install new door and frame from principal's office to corridor (secondary exit)	<b>Security</b>	\$6,301
<b>TBES</b>	<b>1</b>	Exterior cameras- IP based with cabling, etc.	<b>Security</b>	\$48,394
<b>TBES</b>	<b>1</b>	Door access controls/door intercom	<b>Security</b>	\$25,205
<b>TBES</b>	<b>1</b>	Intrusion detection system upgrades	<b>Security</b>	\$6,301
<b>TBES</b>	<b>1</b>	Programming, software and licenses	<b>Security</b>	\$6,301
<b>TBES</b>	<b>1</b>	Technology upgrades- switches, servers, storage to support security	<b>Security</b>	\$6,301
<b>TBES</b>	<b>1</b>	Replace clock/PA system, district-wide integration (Cisco Unified Communications System)- Cisco based IP phones, 911 auto dial, messaging, other features TBD	<b>Security</b>	\$277,259
<b>TBES</b>	<b>1</b>	Remote PA system for cafeteria	<b>Security</b>	\$31,507
<b>TBES</b>	<b>1</b>	Remote PA system for gym	<b>Security</b>	\$44,109
<b>TBES</b>	<b>1</b>	Interior cameras- IP based with cabling, etc.	<b>Security</b>	\$75,616
<b>TBES</b>	<b>1</b>	Replacement of all original interior doors w/hardware, re-use existing frames- intruder locksets	<b>Security</b>	\$28,923

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
TBES	1	Change hardware at newer doors to intruder function	Security	\$61,438
TBES	1	Renovate older toilet rooms, replace electric water coolers	Crit Sys	\$310,025
TBES	1	Install new high-efficiency domestic HW heater	Crit Sys	\$63,013
TBES	1	Install new hot water heater for kitchen	Crit Sys	\$18,904
TBES	1	Provide HW and recirculation to older toilet rooms and other locations as needed.	Crit Sys	\$63,013
TBES	1	Asbestos abatement allowance	Crit Sys	\$63,013
TBES	1	Replace multi-zone rooftop units and related work-Gym area King units. Add AC.	Crit Sys	\$340,272
		Controls and electrical work related to rooftop unit replacement.		\$98,109
TBES	1	Consolidate all computers to one computer lab-additional power as needed	Crit Program Need	\$63,013
TBES	1	Playground upgrades and remove asphalt area	Crit Need	\$126,027
TBES	1	Technology upgrades to support classroom instruction-fiber, racks, cabling, wireless access points.	Crit Program Need	\$63,013
TBES	1	<b>Question 1- Thomas Bowe School Totals</b>		<b>\$2,541,891</b>

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
ADM	1	<b>Question 1- Administration Building</b>		
ADM	1	Replace clock/PA system, district-wide integration (Cisco Unified Communications System)- Cisco based IP phones, 911 auto dial, messaging, other features TBD	<b>Security</b>	\$29,319
ADM	1	Provide emergency generator and related work including emergency panel to support district technology, website-mail and other systems during extended power outage	<b>Crit Sys</b>	\$115,227
ADM	1	Gas piping work for generator	<b>Crit Sys</b>	\$19,205
ADM	1	MDF room computer equipment cooling, HVAC unit replacement	<b>Crit Sys</b>	\$115,227
ADM	1	Exterior cameras- IP based with cabling, etc.	<b>Security</b>	\$12,291
ADM	1	Programming, software and licenses	<b>Security</b>	\$5,121
ADM	1	Technology upgrades- switches, servers, storage	<b>Security</b>	\$6,402
ADM	1	Intrusion detection system upgrades	<b>Security</b>	\$5,121
ADM	1	Interior cameras- IP based with cabling, etc.	<b>Security</b>	\$9,602
ADM	1	Door access controls/door intercom	<b>Security</b>	\$10,242
ADM	1	Asbestos abatement allowance	<b>Safety</b>	\$10,242
ADM	1	<b>Question 1- Administration Building Totals</b>		<b>\$338,000</b>
	<b>Q1</b>	<b>Totals- Question 1</b>		<b>\$13,881,683</b>

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
	<b>2</b>	<b>Proposed Question #2</b>		
<b>GHS</b>	<b>2</b>	<b>Question 2- High School</b>		
<b>GHS</b>	<b>2</b>	Classroom/corridor ceiling and lighting replacement throughout building (excludes gyms, auditorium, newer addition and proposed renovation areas above)	<b>Energy</b>	\$1,815,355
<b>GHS</b>	<b>2</b>	Asbestos abatement allowance	<b>Energy</b>	\$127,393
<b>GHS</b>	<b>2</b>	Lighting upgrades including switching, power, controls-interior. For lighting in corridors, classrooms and offices. Provide occupancy sensors.	<b>Energy</b>	\$196,345
<b>GHS</b>	<b>2</b>	Chiller replacement- 2002- , pumps, etc. Increase size for larger loads.	<b>Energy</b>	\$318,483
<b>GHS</b>	<b>2</b>	Work required to enlarge chilled water supply pumps, etc.	<b>Energy</b>	\$50,957
<b>GHS</b>	<b>2</b>	Extend supply/return mains to C block for chilled water, if needed due to existing pipe size; misc. extensions of existing piping to new units	<b>Energy</b>	\$95,545
<b>GHS</b>	<b>2</b>	Structural and roofing work for cooling tower	<b>Energy</b>	\$50,957
<b>GHS</b>	<b>2</b>	Replacement of classroom unit ventilators- possible use of self-contained classroom 'Airedale' units or similar- Add AC connect to chilled water system	<b>Energy</b>	\$980,928
<b>GHS</b>	<b>2</b>	Replacement of air handlers: Gym (2)	<b>Energy</b>	\$369,441
<b>GHS</b>	<b>2</b>	Replace two rooftop gas fired units at Aux Gym- Add connections to existing chilled water system	<b>Energy</b>	\$63,697
<b>GHS</b>	<b>2</b>	Structural and roofing work for AHUs/RTUs	<b>Energy</b>	\$95,545
<b>GHS</b>	<b>2</b>	CST offices existing unit connect to chilled water	<b>Energy</b>	\$12,739

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
GHS	2	Replacement of exhaust fans throughout	Energy	\$133,763
GHS	2	ATC misc upgrades on existing equipment	Energy	\$0
GHS	2	Upgrade ATC system for HVAC work	Energy	\$38,218
GHS	2	Air-condition C- Wing (Rev/upgrade existing equipment)	Energy	\$1,070,868
GHS	2	Replace existing electrical service gear	Energy	\$222,938
GHS	2	Replace approx. 12 existing Federal Pacific panels with new panels in same location	Energy	\$275,170
GHS	2	Add 8 new electric panels for HVAC and future loads	Energy	\$305,744
GHS	2	Electrical work for HVAC	Energy	\$95,545
GHS	2	New electric service site work/secondary service/PMT/ACE fees	Energy	\$63,697
GHS	2	Replace existing HID lighting in Gym and Aux Gym with new HO high-bay fluorescent fixtures and occupancy sensors	Energy	\$57,327
GHS	2	Weight room- Add ventilation and connection to existing chilled water system	Energy	\$44,065
GHS	2	Boiler replacement and related work- new high efficiency condensing style boilers (qty= 2). Existing boilers are original 1963 Cleaver-Brooks cast iron.	Energy	\$649,706
GHS	2	<b>Question 2- High School Totals</b>		<b>\$7,134,426</b>

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
<b>GIS</b>	<b>2</b>	<b>Question 2- Intermediate School</b>		
<b>GIS</b>	<b>2</b>	Replace ceiling system second and third floor corridors	<b>Energy</b>	\$47,502
<b>GIS</b>	<b>2</b>	Replace lighting second and third floor corridors	<b>Energy</b>	\$77,231
<b>GIS</b>	<b>2</b>	<b>Question 2- Intermediate School Totals</b>		<b>\$124,733</b>

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
DBES	2	<b>Question 2- Dorothy Bullock School</b>		
DBES	2	ATC misc upgrades on existing equipment change pneumatics to DDC	<b>Energy</b>	\$608,126
DBES	2	MP room stage lighting upgrades	<b>Energy</b>	\$46,794
DBES	2	Replace lighting in Gym	<b>Energy</b>	\$44,127
DBES	2	<b>Question 2- Dorothy Bullock School Totals</b>		<b>\$699,047</b>
JHR	2	<b>Question 2- J Harvey Rodgers School</b>		
JHR	2	Remaining window replacement	<b>Energy</b>	\$94,316
JHR	2	Boiler replacement B-wing boiler room	<b>Energy</b>	\$290,494
JHR	2	Complete DX cooling for B-wing. Install condensers and electrical power.	<b>Energy</b>	\$105,634
JHR	2	Upgrade electrical service in the B-Wing (Add panel and feeder for new AC and kitchen)	<b>Energy</b>	\$188,633
JHR	2	Exhaust and make-up air for electrical room Block A	<b>Energy</b>	\$10,060
JHR	2	ATC head end and software upgrades with programming- Tozour JACE System	<b>Energy</b>	\$125,755
JHR	2	ATC misc upgrades on existing equipment	<b>Energy</b>	\$197,184
JHR	2	Replace light fixtures throughout Block B, provide occupancy sensors	<b>Energy</b>	\$264,086
JHR	2	Classroom/corridor ceiling system replacement throughout Block B	<b>Energy</b>	\$144,618
JHR	2	Add reheat or other dehumidication measures to A-wing rooms with existing DX cooling. Consider separate ERV displacement ventilation.	<b>Energy</b>	\$250,221
JHR	2	<b>Question 2- J Harvey Rodgers School Totals</b>		<b>\$1,671,002</b>



**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
TBES	2	<b>Question 2- Thomas Bowe School</b>		
TBES	2	Exhaust and make-up air for electrical gear room	<b>Energy</b>	\$10,082
TBES	2	Upgrade ATC system for HVAC work	<b>Energy</b>	\$63,013
TBES	2	ATC head end and software upgrades with programming- Tozour JACE System	<b>Energy</b>	\$25,205
TBES	2	Replace gym lighting with new high efficiency, high bay fluorescent lighting	<b>Energy</b>	\$37,808
TBES	2	<b>Question 2- Thomas Bowe School Totals</b>		<b>\$136,109</b>
	<b>Q2</b>	<b>Totals</b>		<b>\$9,765,317</b>

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
	<b>3</b>	<b>Proposed Question #3</b>		
<b>GIS</b>	<b>3</b>	<b>Question 3- High School</b>		
<b>GHS</b>	<b>3</b>	Room C107- Convert cooking area to drama classroom and hallway. Demolition/major renovation scope of work.	<b>Educ Program Enhancement</b>	\$467,606
<b>GHS</b>	<b>3</b>	Create new drama classroom with small stage. Include basic sound and lighting system.		\$0
<b>GHS</b>	<b>3</b>	Drama classroom fit-out, lighting, sound and equipment	<b>Educ Program Enhancement</b>	\$128,817
<b>GHS</b>	<b>3</b>	Music B108 and B109- Refurbish and provide musical instrument storage. Remove tiered floor in band room.	<b>Educ Program Enhancement</b>	\$971,280
<b>GHS</b>	<b>3</b>	Room B108- Remove tiered floor. Provide new level floor with ramp and stair access. Provide new finishes: floors, walls, acoustical treatments and ceilings. Install new lighting, noise controlled HVAC system, sink. Install wide double doors at top of ramp to allow for		INCL
<b>GHS</b>	<b>3</b>	B108 and B109- Music room fit-out and equipment allowance	<b>Educ Program Enhancement</b>	\$193,225
<b>GHS</b>	<b>3</b>	Provide instrument specific storage cabinets (Wenger or similar). Provide other furniture including music storage, podium, music stands, etc. Provide other furnishings as needed including staff line markerboards.		INCL
<b>GHS</b>	<b>3</b>	Room C110- Renovate/refurbish into functional orchestra room and practice rooms- expansion into adjacent custodian's area for practice, storage, etc.	<b>Educ Program Enhancement</b>	\$494,657
<b>GHS</b>	<b>3</b>	Provide new finishes: walls, floors, ceilings and acoustics. Provide wider doors where needed. Expand into adjacent space for new music storage and two practice rooms. Provide dedicated climate controlled room for string storage. Provide flow through access to existing corridor to facilitate access to stage.		INCL

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
GHS	3	Room C110- Music room fit-out and equipment allowance	<b>Educ Program Enhancement</b>	\$96,613
GHS	3	Provide instrument specific storage cabinets and string carts (Wenger or similar). Provide base, wall, sink and tall storage cabinets, etc. Provide other furnishings as needed including staff line markerboards. Provide storage for marching band.		INCL
GHS	3	Tennis courts- Replace net sets includes posts and sleeves	<b>Educ Program Enhancement</b>	\$30,916
GHS	3	Tennis Courts- Bituminous repair at cold joint, misc asphalt work	<b>Educ Program Enhancement</b>	\$38,645
GHS	3	Tennis courts- Remove and replace fence, sleeve poles, new gates- galvanized materials	<b>Educ Program Enhancement</b>	\$77,290
GHS	3	Tennis Courts- Resurfacing	<b>Educ Program Enhancement</b>	\$231,871
GHS	3	Main court basketball backstop replacement	<b>Educ Program Enhancement</b>	\$51,527
GHS	3	Replace baseball backstops/fencing/benches	<b>Educ Program Enhancement</b>	\$41,221
GHS	3	Repair/restoration of track and field events	<b>Educ Program Enhancement</b>	\$110,783
GHS	3	<b>Question 3- Glassboro High School Totals</b>		<b>\$2,934,450</b>

**Glassboro Board of Education**  
**Pre-Referendum Services FVHD #4388**

<b><u>SORTED PROJECT LIST- For Separate Questions 1,2 and 3- project costs only</u></b>				
<b>Dated:</b>	February 2, 2015			
<b>Sorted By:</b>	Questions 1,2,3			
<b>SCHL/ PRORITY</b>	<b>QUESTION #</b>	<b>PROJECT NAME/SCHOOL</b>	<b>CATEGORY</b>	<b>ESTIMATED PROJECT COST</b>
GIS	3	Question 3- Glassboro Intermediate School		
GIS	3	Track and field upgrades- install new track over footprint of existing	Educ Program Enhancement	
GIS	3	Demolition/removal of archives storage building		
GIS	3	<b>Question 3- Intermediate School Totals</b>		<b>\$319,000</b>
	<b>Q3</b>	<b>Totals</b>		<b>\$3,253,450</b>
	<b>Q1 - Q3</b>	<b>GRAND TOTALS Q1 - Q3 Only</b>		<b>\$26,900,450</b>