

Life Safety Survey Results

Physical Facility Assessments



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10-Year Life Safety Survey

Every 10 years, each local board is required to survey its school buildings* and effectuate any recommendations in accordance with 2-3.12, the Health Life Safety Code.

* "School Building" or "School" means a building occupied in whole or in part by public school students or intended for occupancy by such students.

Physical Facilities Assessment

In 2013, Healy Bender Architects prepared an analysis of the District's facilities in terms of age, design, construction methods and materials with recommendations to improve the physical condition of each facility.

Summary of Estimates

	2013 Life Safety Survey	2013 Physical Facilities Assessment	Grand Total
Balmoral Elementary School	\$ 155,600	\$ 8,561,760	\$ 8,717,360
Crete Elementary School	\$ 4,021,700	\$ 8,122,800	\$ 12,144,500
CSK Magnet School	\$ 1,204,700	\$ 6,159,240	\$ 7,363,940
Early Learning Center	\$ 2,637,500	\$ 5,429,040	\$ 8,066,540
Monee Education Center	\$ 568,900	\$ 2,886,000	\$ 3,454,900
Talala Elementary School	\$ 1,405,300	\$ 4,934,640	\$ 6,339,940
	\$ 9,993,700	\$ 36,093,480	\$ 46,087,180

	2013 Life Safety Survey	2013 Physical Facilities Assessment	Grand Total
Crete-Monee Middle School	\$ 10,300	\$ 3,190,900	\$ 3,201,200
Sixth Grade Center & Dome	\$ 3,051,000	\$ 38,515,920	\$ 41,566,920
	\$ 3,061,300	\$ 41,706,820	\$ 44,768,120

	2013 Life Safety Survey	2013 Physical Facilities Assessment	Grand Total
All Facilities	\$ 13,055,000	\$ 77,800,300	\$ 90,855,300

BALMORAL ELEMENTARY SCHOOL

2013 LIFE SAFETY SURVEY		
Provide hollow metal doors and frames with insulated glazing where existing. also provide all hardware for a complete and code compliant exterior exit.	\$	34,700
Provide wood and hollow metal doors in hollow metal frames with 1/4" tempered glazing and sidelights where existing.	\$	17,300
Provide a ceiling transfer air plenum in the corridor and transfer classroom relief air into the new plenum.	\$	75,100
Provide a new panel directory.	\$	-
Provide additional receptacles to eliminate need for extension cords.	\$	-
Move items away from panel to provide proper working clearance.	\$	-
Provide panel cover modifications and filler plates as required to conceal bussing and wiring	\$	2,300
Provide smoke detector above fire alarm control panel	\$	300
Provide junction box cover	\$	-
Provide additional receptacles to eliminate extension cord use.	\$	-
Provide a new panel directory	\$	-
SUBTOTAL LIFE SAFETY CONSTRUCTION COSTS	\$	129,700
SUBTOTAL LIFE SAFETY PROFESSIONAL FEES & CONTINGENCIES	\$	25,900
TOTAL LIFE SAFETY COSTS	\$	155,600
2013 PHYSICAL FACILITIES ASSESSMENT		
SITE		
Replace bituminous paving at parking lots.	\$	317,600
Subtotal Site Costs	\$	317,600
ROOF		
Replace damaged gutters along the North and West facades.	\$	8,400
Scrape and repaint all exterior exposed wood roof structure, fascias and trim.	\$	28,900
Subtotal Roof Costs	\$	37,300
Enhancements		
Subtotal Roof Enhancement Costs	\$	-
BUILDING ENVELOPE		
Repair and clean damaged face brick and tuck point all mortar joints	\$	704,600
Scrape and repaint rusting lintels.	\$	2,300
Replace existing exterior windows	\$	750,800
Exterior Doors (from LSS)	\$	34,700
Subtotal Building Envelope Costs	\$	1,492,400
BUILDING INTERIOR		
Replace water stained, cracked, damaged, and discolored acoustical ceiling tiles throughout the facility.	\$	8,400
Repair and repaint cracked and damaged CMU throughout the facility.	\$	5,800
Replace VCT and rubber base in Classrooms, Corridors and Multi-Purpose Room. A nominal cost to remove the existing VCT is included, however due to the fact that VAT is installed below the existing VCT in many locations, an exact cost to abate the VAT is to be determined by the District's environmental consultant.	\$	173,300
Clean and Repaint restroom walls	\$	10,500
Interior doors and frames and hardware	\$	17,300
Wired glass	\$	52,500
Subtotal Building Interior Costs	\$	267,800
Enhancements		
Replace ceramic tile floors in toilet rooms.	\$	46,200
Replace carpet at Entry Vestibules and Classrooms 16-21.	\$	17,300
Replace cracked and damaged quarry tile in Cafeteria Serving area.	\$	63,500
Subtotal Building Interior Enhancement Costs	\$	127,000
MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS		
HVAC System		
Expand the existing central plant DDC controls to provide direct digital temperature controls with new room thermostats, control valves, temperature control panel, and programming to provide better temperature control of the facility. Chiller DDC controls are not included.	\$	315,000
Provide new energy efficient pumps, variable speed drive controls, etc. to increase heating plan efficiency.	\$	52,500
Provide supplemental air conditioning in the MDF Room.	\$	42,000
Subtotal HVAC System Costs	\$	409,500
Enhancements		
Provide new packaged gas heating and D.X. cooling roof top unit to provide ventilation, air conditioning and outside air serving the main office to meet today's standards for indoor air quality and code required outside air.	\$	63,000
Provide air conditioning with packaged air cooled chiller, pumps, controls, . Does not include costs for building DDC controls, new 2-pipe heating and cooling unit ventilators, or new piping distribution in the building.	\$	462,000
Provide new packaged gas fired/ D.X. cooling roof top unit with energy recovery and duct distribution to serve the gymnasium area. Provide demand control ventilation on the roof top unit to modulate the outside air based on CO2 levels in the space.	\$	141,800
Provide demand control ventilation on the new unit ventilators to modulate the outside air based on CO2 levels in the space. This is an enhancement and not included in the unit ventilator replacement costs.	\$	60,400
Replace the aging toilet exhaust fans with new exhaust fans.	\$	42,000
The unit ventilators and heating piping systems appear in fair condition and with proper maintenance have approximately 3 to 5 years before they will need replacement. Provide new 2- pipe heating/future cooling unit ventilators and 2-pipe heating /cooling piping distribution. DDC controls are not included.	\$	1,522,500

BALMORAL ELEMENTARY SCHOOL

Provide new packaged gas fired/ D.X. cooling roof top unit and duct distribution to serve the computer room rooms.	\$	152,300	
Subtotal HVAC System Enhancement Costs	\$	2,444,000	
Plumbing System			
Provide water treatment on incoming water service to facility to improve water quality. Reduce erosion on domestic plumbing system, fixtures, piping, etc.	\$	107,600	
The domestic piping systems appear in fair condition and with proper maintenance has approximately 1 to 3 years before they will need replacement.	\$	882,000	
Subtotal Plumbing System Costs	\$	989,600	
Enhancements			
Replace the existing water closets and urinals with code compliant water consumption	\$	136,500	
Replace existing classroom sinks and faucets.	\$	36,800	
Subtotal Plumbing System Enhancement Costs	\$	173,300	
Fire Protection System			
Enhancements			
Provide fire protection sprinkler system for the entire facility to comply with good engineering practice, current code compliance, and improve safety of the facility.	\$	288,800	
Subtotal Fire Protection System Enhancement Costs	\$	288,800	
Electrical System			
Replace older obsolete electrical branch panels with new electrical panels.	\$	46,200	
Replace the existing outdated fire alarm control panel in its entirety including wiring with an addressable system which will inherently provide numerous additional advantages.	\$	46,200	
The existing electrical distribution does not have Transient Voltage Surge Suppression (TVSS) equipment, which is utilized to protect electronic equipment in today's facility from powerful, short duration, electrical spikes. This equipment is installed at the main service and downstream in the electrical distribution. This protects lighting ballasts, variable frequency drives, computers, etc.	\$	28,900	
Subtotal Electrical System Costs	\$	121,300	
Enhancements			
Replace existing electrical receptacles that have outlived their life cycle with new receptacles.	\$	34,700	
Replace existing light switches in building that have outlived their life cycle with new switches.	\$	17,300	
Provide a new natural gas generator to backup all emergency and current essential loads in building. These essential and emergency loads include, but are not limited to: Boilers, Heating Pumps, Sump Pumps, Fire Alarm Control Panel, Essential Food Service Loads/Offices/Equipment/Freezers, Temperature Controls to maintain building temperature above freezing, MDF cabinets, IDF cabinets, MDF/IDF Cooling, Emergency lighting, IT/Maintenance Offices, Multipurpose, Cafeteria and Exit Signs. Concrete pad included.	\$	115,500	
Provide occupancy sensors in all occupied spaces where lighting is not currently controlled by them.	\$	86,600	* The current Energy Code requires occupancy sensors to be installed if any lighting system upgrades are undertaken.
Provide dimmable ballasts and daylight sensors to implement daylight harvesting to conserve energy when daylight available in classrooms and offices.	\$	86,600	* The current Energy Code requires dimmable ballasts to be installed if any lighting system upgrades are undertaken.
Replace older emergency lighting and exit signs that have outlived their life cycle with new emergency lights and exit signs.			
Provide a lightning protection assessment for building	\$	8,700	
Subtotal Electrical System Enhancement Costs	\$	349,400	
Low Voltage System			
Enhancements			
Provide a new sound system, speakers and projector for Multipurpose Room and Gymnasium to allow spaces to be used for multiple events.	\$	57,800	
Expand existing MDF and IDF cabinets and battery power to accommodate future technology needs.	\$	34,700	
Expand the existing security camera system and provide additional cameras to monitor the building entrances and the common spaces. (maximum 10 cameras total)	\$	12,700	
Provide an IP based video retrieval system that will allow video and other streaming media to be downloaded to the cloud and retrieved by personnel via the LAN. Teachers and other staff, that will be provided with a password, will be able to retrieve video and other streaming media to utilize for educational purposes. The system consists of a server and connection to the LAN.	\$	11,600	
Subtotal Low Voltage System Enhancement Costs	\$	116,800	
SUBTOTAL PHYSICAL FACILITY ASSESSMENT COSTS	\$	3,635,500	
SUBTOTAL PHYSICAL FACILITY ASSESSMENT ENHANCEMENT COSTS	\$	3,499,300	
SUBTOTAL PHYSICAL FACILITY ASSESSMENT PROFESSIONAL FEES & CONTINGENCIES	\$	1,426,960	
TOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$	8,561,760	
TOTAL LIFE SAFETY COSTS	\$	155,600	
TOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$	8,561,760	
GRAND TOTAL	\$	8,717,360	

CRETE ELEMENTARY SCHOOL

2013 LIFE SAFETY SURVEY

Provide concrete ramps and metal railings as necessary to provide code compliant egress from existing exterior exits.	\$	10,000
Reinstall door to swing in the direction of egress.	\$	8,700
Extend existing wall construction up to underside of the deck and properly seal to meet code required separation.	\$	17,300
Repair concrete to preserve structural integrity of steel reinforcing and existing concrete.	\$	17,300
Remove existing doors, frames and wall construction as necessary to recess the classroom entry. Provide wood door and hollow metal frame with sidelight in new masonry wall construction.	\$	46,200
Provide hollow metal doors and frames with insulated glazing and code compliant hardware at all damaged exterior exits.	\$	98,200
Provide a reduced pressure back flow preventer valve assembly on the existing domestic water service.	\$	7,600
Replace the existing domestic cold, hot and hot water return piping in the building to provide adequate water supply to the plumbing fixtures.	\$	1,004,900
Provide a grease trap for the kitchen sink.	\$	5,800
Provide new power burner controls with proper lamps.	\$	11,600
Provide new toilet exhaust fan systems.	\$	8,100
Provide an exhaust fan for the Janitors Closet to exhaust odors.	\$	-
Provide a new exhaust hood to provide 6 inch overlap on the double oven.	\$	-
Replace the existing heating piping, unit ventilators, and temperature controls on the northwest side of the facility to provide adequate hot water heating and new HVAC equipment to maintain space temperature.	\$	831,600
Provide a ceiling transfer air plenum in the corridor and transfer classroom relief air into the new plenum.	\$	40,400
Replace the existing heating piping, unit ventilators, boiler on the south and east side of the facility to provide adequate hot water heating and new HVAC equipment to maintain space temperature.	\$	1,224,300
Provide emergency lighting.	\$	1,200
Provide fire alarm pull station.	\$	7,600
Provide fire alarm visual device.	\$	-
Provide accurate directory.	\$	-
Provide new exit sign.	\$	600
Provide additional receptacles in room to eliminate need for extension cords.	\$	-
Provide a new door for panel.	\$	2,300
Provide door modifications and filler plates as required to conceal wiring and bussing.	\$	4,600
Provide new light fixture.	\$	-
Provide new junction box cover.	\$	-
Patch all conduit penetrations with code compliant material.	\$	700
Provide new motor compartment cover plate.	\$	-
Provide exterior man door lighting.	\$	600
Provide fire alarm pull station.	\$	600
Provide fire alarm visual device.	\$	-
Provide accurate directory.	\$	-
Provide exterior man door lighting.	\$	1,200
SUBTOTAL LIFE SAFETY CONSTRUCTION COSTS		\$3,351,400
SUBTOTAL LIFE SAFETY PROFESSIONAL FEES & CONTINGENCIES		\$670,300
TOTAL LIFE SAFETY COSTS		\$4,021,700

2013 PHYSICAL FACILITIES ASSESSMENT

SITE		
Replace bituminous paving and rebuild parking lots and access drives.	\$	190,600
Replace broken / missing precast concrete parking bumpers and splash blocks	\$	5,800
Repair concrete walks to the east of the building particularly at the hard surface playgrounds	\$	28,900
Site courtyard grading and drainage	\$	42,000
Handrails/guardrails	\$	21,000
Subtotal Site Costs	\$	288,300
Enhancements		
Replace chain link fence at southwest parking area	\$	4,200
Install concrete barrier curbs to protect existing site landscaping at parking areas	\$	4,100
Resurface hard surface play grounds. Remove existing equipment as necessary to facilitate the work and reinstall.	\$	155,900
Subtotal Site Enhancement Costs	\$	164,200
ROOF		
Remove existing standing seam metal roofing at east Corridor 47. Repair existing roof deck, install available rigid insulation and new standing seam metal roofing including metal edge flashing, insulated metal fascia panel, gutters and downspouts. This installation should provide approximately 50 year life span with proper maintenance. If a shingle roof system is installed in lieu of standing seam metal roof the cost is approximately \$18,000 and the system life span is approximately 30 years.	\$	-
Replace damaged/missing metal downspouts	\$	5,300
Replace roof stairs and ladder	\$	9,500
Subtotal Roof Costs	\$	14,800
Enhancements		
Remove existing foam roof roofing system down to existing deck and replace with new modified bitumen roofing system including 4" minimum rigid insulation, all roof drain assemblies, metal edge flashing, insulated metal fascia panel, gutters and downspouts as necessary. Does not include cafeteria roof which was re-roofed in 2009.	\$	1,265,400
Subtotal Roof Enhancement Costs	\$	1,265,400
BUILDING ENVELOPE		
Scrape, repair and refinish perimeter wood fascia boards	\$	4,100
Scrape and repaint wood sub sill at exterior windows at Classrooms 8-18.	\$	1,800
Repair concrete and steel reinforcing at exposed building foundation walls	\$	5,300
Repair and clean damaged face brick and tuck point all mortar joints	\$	259,900
Repair and repaint exterior CMU walls at North façade	\$	31,500

CRETE ELEMENTARY SCHOOL

Cut out and replace existing building control and expansion joints	\$	1,800	
At the exterior windows at rooms 25 & 17, open walls to inspect the existing flashing and lintel, repair as necessary and close wall.	\$	17,300	
Scrape and repaint existing steel window and door lintels	\$	23,100	
Replace exterior windows at North, South, and East building facades	\$	265,700	
Exterior doors (beyond LSS above)	\$	89,300	
Subtotal Building Envelope Costs	\$	699,800	
Enhancements			
Wrap existing wood fascia boards with prefinished metal.	\$	45,800	
Subtotal Building Envelope Enhancement Costs	\$	45,800	
BUILDING INTERIOR			
Replace 1x1 ceilings in Classrooms 2, 3, 4, 5, 6, 8, 10, 14, 31, 37, 39 and the Teacher's Lounge Rm. 20. Due to the fact that suspected asbestos containing materials may be installed in various locations, an exact cost to remove / replace the ceiling tiles is to be determined by the District's environmental consultant.	\$	121,300	
Replace 2x4 suspended ceiling system in the Kindergarten Classrooms 24 & 26, Learning Center Rm. 43, all toilet rooms and throughout the upper level Counseling offices 201-206.	\$	8,700	
Replace damaged perforated metal ceiling in Corridor 9.	\$	5,800	
Replace 2x2 suspended ceiling system in Main Entry Lobby Rm. 23A.	\$	2,300	
Replace all VCT and rubber base throughout the entire facility. A nominal cost to remove the existing VCT is included, however due to the fact that VAT is installed below the existing VCT in many locations, an exact cost to abate the VAT is to be determined by the District's environmental consultant.	\$	375,400	
Repair and repaint CMU walls in in Rms. 1, 9C, 29, 29A, 30, 33, 39, 41, Boiler Rm. 52 and throughout the Gymnasium.	\$	86,600	
Repair and refinish all plaster walls and moldings at both Kindergarten Classrooms 24 & 26 and all upper and lower walls, window jambs, heads and sills in the 1938 building addition.	\$	155,900	
Replace damaged / missing wood floor base in Kindergarten Classrooms	\$	2,900	
Replace damaged / missing toilet room stalls and hardware	\$	31,800	
Patch concrete edges	\$	5,300	
Handrails in stairwells	\$	7,900	
Wired glass	\$	52,500	
Subtotal Building Interior Costs	\$	856,400	
Enhancements			
Replace separating and fraying carpet in Classrooms 4 & 8 and at the entrances to the Learning Center Rm. 43	\$	1,200	
Replace ceramic tile floor finish in all toilet rooms	\$	9,900	
Repaint hollow metal window frames at interior perimeter of Learning Center	\$	2,300	
Repaint stairs to upper level storage in gymnasium	\$	1,800	
Replace all ceiling, wall and floor finishes at upper level gym storage room	\$	17,300	
Subtotal Building Interior Enhancement Costs	\$	32,500	
MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS			
HVAC System			
Provide direct digital temperature controls with new room thermostats, control valves, temperature control panel, and programming to provide better temperature control of the facility. Web based interface of the facility to the main DDC server in the maintenance shop. DDC cost estimate of \$165,000 is for the south east side of the facility only (old steam heating system) . The cost for the north west side DDC controls (approx. \$180,000) is included in Life Safety item M-5.	\$	194,300	
Provide new hot water heating boilers, energy efficient pumps, variable speed drive controls, etc. to increase heating plan efficiency in the northwest side boiler room. This is not included in M-5 life safety item.	\$	315,000	
Provide supplemental air conditioning in the main MDF room.	\$	39,900	
As a upgrade to Life Safety item M-5 provide 2-pipe heating/future cooling unit ventilators and associated piping distribution sized for future 2-pipe heating/cooling and upgraded DDC temperature controls. Does not include new boilers for the north & west side of the building or replacement of the media center roof top unit. This is in addition to the costs noted for item M-5.	\$	115,500	**Boiler in the North & West side of the building included in HVAC
As a upgrade to Life Safety item M-8 provide 2-pipe heating/future cooling unit ventilators and associated piping distribution sized for future 2-pipe heating/cooling and upgraded DDC temperature controls. Does not include new boilers for the southeast side of the building or replacement of the gym roof top unit. This is in addition to the costs noted for item M-8.	\$	173,300	
Subtotal HVAC System Costs	\$	838,000	
Enhancements			
Provide air conditioning with packaged air cooled chiller, pumps, controls, . Does not include costs for building DDC controls, new 2-pipe heating and cooling unit ventilators, new boiler plants, or new piping distribution in the building. Does not include new roof top unit costs for media center, gymnasium, cafeteria or main office.	\$	462,000	*South & East side DDC controls included in cost estimate for HVAC System item #1. South & East side unit ventilators, piping and boilers included in cost estimate for Life Safety item #8. North & West side DDC controls, unit ventilators and piping included in Life Safety item M-5. North & West side boilers included in cost estimate for HVAC System item #2.
Provide new packaged gas heating and D.X. cooling roof top unit to provide ventilation, air conditioning and outside air serving the main office to meet today's standards for indoor air quality and code required outside air.	\$	68,300	
Provide new packaged gas fired/ D.X. cooling roof top unit with energy recovery and duct distribution to serve the gymnasium area. Provide demand control ventilation on the roof top unit to modulate the outside air based on CO2 levels in the space.	\$	115,500	
Provide new packaged gas fired/ D.X. cooling roof top unit with energy recovery and use the existing duct distribution system to serve the lunch room area. Provide demand control ventilation on the roof top unit to modulate the outside air based on CO2 levels in the space.	\$	115,500	
Provide new packaged gas fired/ D.X. cooling roof top unit with energy recovery and use the existing duct distribution system to serve the Media area.	\$	147,000	
Provide demand control ventilation on the new unit ventilators to modulate the outside air based on CO2 levels in the space. This is an enhancement and not included in the unit ventilator replacement costs.	\$	74,100	
Replace the aging toilet exhaust fans with new exhaust fans.	\$	83,000	
Subtotal HVAC System Enhancement Costs	\$	1,065,400	
Plumbing System			
Provide water treatment on incoming water service to facility to improve water quality. Reduce corrosion on domestic plumbing system, fixtures, piping, etc.	\$	107,600	
Replace the existing water closets and urinals with code compliant water consumption	\$	115,500	
Replace the domestic water heater with a new sealed combustion water heater and new circulation pump.	\$	11,600	

CRETE ELEMENTARY SCHOOL

Subtotal Plumbing System Costs	\$	234,700	
Fire Protection System			
Enhancements			
Provide fire protection sprinkler system for the entire facility to comply with good engineering practice, current code compliance, and improve safety of the facility.	\$	325,500	
Subtotal Fire Protection System Enhancement Costs	\$	325,500	
Electrical System			
Scattered throughout the facility are branch panel boards (some of which are load centers) that are old and in poor condition. We recommend all of these older panel boards be replaced.	\$	37,000	
The existing electrical distribution does not have Transient Voltage Surge Suppression (TVSS) equipment, which is utilized to protect electronic equipment in today's facility from powerful, short duration, electrical spikes. This equipment is installed at the main service and downstream in the electrical distribution. This protects lighting ballasts, variable frequency drives, computers, etc.	\$	28,900	
Replace the existing underground secondary conduits from main switch gear in lower level boiler room out to electrical panels serving kitchen with over head conduits and feeders. Recondition the existing main switchgear in the lower level boiler room.	\$	11,600	
Current educational curriculum often uses extensive electronics, such as video equipment, computers for students and teachers, etc., within all teaching spaces (beyond computer labs). We recommend installation of additional "computer" power at the student computer locations (typically 4 computers) and at the teacher location to serve computers and audio/video equipment within each teaching space. In addition, this would include one (1) CAT-6 cable from the student cluster and one (1) CAT-6 cable from the teacher location back to the nearest IDF or MDF. This cost does not include testing areas, where there is a high density of computers, or computer labs.	\$	254,100	
Panel boards located throughout the facility are full and do not have capacity for additional circuits. Provisions should be made for additional panel boards located throughout the facility to allow for additional electrical capacity for future needs.	\$	23,100	
Provide new electrical service equipment to replace equipment which has outlived its life cycle.	\$	57,800	
Replace existing electrical receptacles in building that have outlived their life cycle with new receptacles.	\$	69,300	
Subtotal Electrical System Costs	\$	481,800	
Enhancements			
Replace existing light switches in building that have outlived their life cycle with new switches.	\$	28,900	
Provide a lightning protection assessment for building	\$	11,600	
Provide occupancy sensors in all occupied spaces where lighting is not currently controlled by them.	\$	92,400	* The current Energy Code requires occupancy sensors to be installed if any lighting system upgrades are undertaken.
Provide dimmable ballasts and daylight sensors to implement daylight harvesting to conserve energy when daylight available in classrooms and offices.	\$	92,400	* The current Energy Code requires dimmable ballasts to be installed if any lighting system upgrades are undertaken.
Replace older emergency lighting and exit sign batteries that have outlived their life cycle with new emergency lights and exit signs.	\$	23,100	
Subtotal Electrical System Enhancement Costs	\$	248,400	
Low Voltage System			
The existing intercom is an older switch bank system, which is in need of continual repairs according to the service company. The system should be upgraded to a newer, more reliable system, which will inherently provide numerous additional advantages that are available with today's systems.	\$	46,200	
The existing master clock is an older system, which is in need of continual repairs according to the service company. The system should be upgraded to a newer, more reliable system, which will inherently provide numerous additional advantages that are available with today's systems.	\$	11,600	
Expand existing MDF and IDF cabinets and battery to accommodate future technology needs.	\$	34,700	
Subtotal Low Voltage System Costs	\$	92,500	
Enhancements			
Provide a new sound system, speakers and projector for Multipurpose Room and Gymnasium to allow spaces to be used for multiple events.	\$	52,500	
Provide a new security camera system with new DVR head end to monitor the building entrances and the common spaces.	\$	52,500	
Provide an IP based video retrieval system that will allow video and other streaming media to be downloaded to the cloud and retrieved by personnel via the LAN. Teachers and other staff, that will be provided with a password, will be able to retrieve video and other streaming media to utilize for educational purposes. The system consists of a server and connection to the LAN.	\$	10,500	
Subtotal Low Voltage System Enhancement Costs	\$	115,500	
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$	3,506,300	
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT ENHANCEMENT COSTS	\$	3,262,700	
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT PROFESSIONAL FEES & CONTINGENCIES	\$	1,353,800	
TOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$	8,122,800	
TOTAL LIFE SAFETY COSTS	\$	4,021,700	
TOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$	8,122,800	
GRAND TOTAL	\$	12,144,500	

CORETTA SCOTT KING MAGNET SCHOOL

2013 LIFE SAFETY SURVEY

Provide code compliant metal handrails at exterior concrete stair.	\$	2,900.00
Provide concrete exterior egress ramps at classroom exits including ramp surface, landings, curbs and metal handrails as required by code.	\$	17,300.00
Provide a grease trap for the 3 compartment sink.	\$	5,800.00
Provide a reduced pressure back flow preventer valve assembly on the existing domestic water service.	\$	7,600.00
Replace the existing domestic cold, hot and hot water return piping in the building to provide adequate water supply to the plumbing fixtures. Provide a central water heater for the facility.	\$	906,700.00
Provide a ceiling transfer air plenum in the corridor and transfer classroom relief air into the new plenum.	\$	60,100.00
Provide a new kitchen exhaust hood with fire suppression system for cooking equipment.	\$	-
Provide smoke detector above FACP.	\$	300.00
Provide fire alarm pull station.	\$	600.00
Provide new intercom device.	\$	300.00
Provide new switch.	\$	-
Provide additional receptacles to eliminate need for extension cords.	\$	-
Provide panelboard directories.	\$	-
Provide exterior man door lighting.	\$	2,300.00
SUBTOTAL LIFE SAFETY CONSTRUCTION COSTS	\$	1,003,900.00
SUBTOTAL LIFE SAFETY PROFESSIONAL FEES & CONTINGENCIES	\$	200,800.00
TOTAL LIFE SAFETY COSTS	\$	1,204,700.00

2013 PHYSICAL FACILITIES ASSESSMENT

SITE

Remove existing paving and repave with 3 1/2" bituminous paving on 12" minimum CA-6 compacted gravel base at approximately 25% of area.	\$	236,800.00
At the hard surface playgrounds remove existing paving and repave with 2 1/2" bituminous paving on 10" minimum CA-6 compacted gravel base at approximately 25% of area.	\$	10,500.00
Subtotal Site Costs	\$	247,300.00

Enhancements

Replace stepped concrete walks at west classroom exterior exits to provide accessible concrete ramps	\$	104,000.00
Increase parking lot capacity, add isolated student drop-off/pick-up area from busses including additional drive up from Blackhawk Drive. Includes additional pole mounted lighting. Cost is in addition to parking lot and drives paving work which is required with the enhancement.		
Handrails	\$	5,300.00
Subtotal Site Enhancement Costs	\$	109,300.00

ROOF

Enhancements

Remove existing foam roofs in their entirety down to the existing deck. Repair the roof deck as necessary and install a built-up roofing system on rigid insulation with all new roof drains, metal edge, flashing and gutters and downspouts as necessary.	\$	-
Subtotal Roof Enhancement Costs	\$	-

BUILDING ENVELOPE

Repair and clean damaged face brick and tuck point all mortar joints including exposed perimeter foundation joints.	\$	306,100
Replace all missing/damaged building exterior control and expansion joints	\$	3,200
Scrape and repaint rusting lintels.	\$	3,200
Replace exterior windows	\$	109,700
Replaced damaged exterior doors	\$	75,100
Subtotal Building Envelope Costs	\$	497,300

Enhancements

After further inspection to determine extent of internal damage at the existing EIFS system, re-coat EIFS at entire perimeter of the building	\$	98,200
Subtotal Building Envelope Enhancement Costs	\$	98,200

BUILDING INTERIOR

Replace water stained, cracked, damaged, and discolored acoustical ceiling tiles throughout the facility.	\$	5,800
Repair and repaint cracked and damaged CMU throughout the facility.	\$	23,100
Replace stained, cracked and damaged VCT flooring and transition strips in Corridors, Gymnasium, Cafeteria, Kitchen/Office 101C, Classroom 137 and Exit Vestibule 144.	\$	213,700
Repair and repaint damaged gyp. board walls near Classroom 106.	\$	1,200
Gym Interior ceiling work	\$	10,500
Wired Glass	\$	52,500
Subtotal Building Interior Costs	\$	306,800

Enhancements

Replace carpet in Corridors and Offices 101A & B	\$	16,300
Repair and refinish interior wood doors throughout the facility. (approx. 75 doors)	\$	24,200
Replace ceramic floor tile in toilet rooms	\$	46,200
Replace all metal toilet partitions.	\$	43,400
Window blinds	\$	47,300
Subtotal Building Interior Enhancement Costs	\$	177,400

MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS

HVAC System

Expand the existing central plant DDC controls to provide direct digital temperature controls with new room thermostats, control valves, temperature control panel, and programming to provide better temperature control of the facility. Chiller DDC controls are not included.	\$ 315,000	* Chiller DDC controls are only required if HVAC System Enhancement item #1 is selected. The cost for chiller DDC controls is included in the scope of work for HVAC System Enhancement item #1.
Provide supplemental air conditioning in the MDF Room.	\$ 39,900	
Subtotal HVAC System Costs	\$354,900	
Enhancements		

CORETTA SCOTT KING MAGNET SCHOOL

Provide air conditioning with packaged air cooled chiller, pumps, controls. Does not include costs for building DDC controls, new 2-pipe heating and cooling unit ventilators or new piping distribution in the building.	\$ 462,000	* See HVAC System Item #1 for building DDC controls cost estimate. See HVAC System Enhancement Item #2 for heating/cooling piping description and cost estimate. See HVAC System Enhancement Item #6 for unit ventilators description and cost estimate.
Provide new 2-pipe heating/future cooling piping distribution system throughout the facility.	\$ 981,800	
Provide new packaged gas heating and D.X. cooling roof top unit to provide ventilation, air conditioning and outside air serving the main office to meet today's standards for indoor air quality and code required outside air.	\$ 89,300	
Provide new packaged gas fired/ D.X. cooling roof top unit with energy recovery and duct distribution to serve the gymnasium area. Provide demand control ventilation on the roof top unit to modulate the outside air based on CO2 levels in the space.	\$ 115,500	
Provide new packaged gas fired/ D.X. cooling roof top unit with energy recovery and duct distribution to serve the lunch room area. Provide demand control ventilation on the roof top unit to modulate the outside air based on CO2 levels in the space.	\$ 141,800	
Provide new 2-pipe heating/ future cooling unit ventilation for the classrooms. New piping, chiller and building DDC controls are not included.	\$ 409,500	** See HVAC System Item #1 for DDC controls cost estimate. ADD 35,000 for replacement of lunch room ventilators if replaced in lieu of new RTU as described in HVAC System Enhancement Item #5.
Provide demand control ventilation on the new unit ventilators to modulate the outside air based on CO2 levels in the space. This is an enhancement and not included in the unit ventilator replacement costs.	\$ 76,100	
Replace the aging toilet exhaust fans with new exhaust fans.	\$ 92,400	
Subtotal HVAC System Enhancement Costs	\$2,368,400	
Plumbing System		
Provide water treatment on incoming water service to facility to improve water quality. Reduce erosion on domestic plumbing system, fixtures, piping, etc.	\$ 107,600	
Replace the existing water closets and urinals with code compliant water consumption	\$ 121,300	
Subtotal Plumbing System Costs	\$228,900	
Fire Protection System Enhancements		
Provide fire protection sprinkler system for the entire facility to comply with good engineering practice, current code compliance, and improve safety of the facility.	\$ 309,800	
Subtotal Fire Protection System Enhancement Costs	\$309,800	
Electrical System		
The existing electrical distribution does not have Transient Voltage Surge Suppression (TVSS) equipment, which is utilized to protect electronic equipment in today's facility from powerful, short duration, electrical spikes. This equipment is installed at the main service and	\$ 31,800	
Subtotal Electrical System Costs	\$ 31,800	
Enhancements		
Replace older obsolete electrical branch panel boards with new panel boards.	\$ 46,200	
Replace existing electrical receptacles that have outlived their life cycle with new receptacles.	\$ 46,200	
Replace existing light switches in building that have outlived their life cycle with new switches.	\$ 23,100	
Provide occupancy sensors in all occupied spaces where lighting is not currently controlled by them.	\$ 86,600	* The current Energy Code requires occupancy sensors to be installed if any lighting system upgrades are undertaken.
Provide dimmable ballasts and daylight sensors to implement daylight harvesting to conserve energy when daylight available in classrooms and offices.	\$ 86,600	* The current Energy Code requires dimmable ballasts to be installed if any lighting system upgrades are undertaken.
Replace older emergency lighting and exit signs that have outlived their life cycle with new emergency lights and exit signs.	\$ 1,700	
Provide a lightning protection assessment for building	\$ 16,200	
Subtotal Electrical System Enhancement Costs	\$ 306,600	
Low Voltage System		
The existing master clock is an old system, which is in need of continual repairs according to the service company. The system should be upgraded to a newer, more reliable system, which will inherently provide numerous additional advantages that are available with today's systems. Estimates cost of replacing this system includes the wiring.	\$ 11,600	
Subtotal Low Voltage System Costs	\$ 11,600	
Enhancements		
Provide a new sound system, speakers and projector for Gymnasium to allow spaces to be used for multiple events.	\$ 57,800	
Expand the existing security camera system and provide additional cameras to monitor the building entrances and the common spaces. (maximum 12 cameras total)	\$ 15,000	
Provide an IP based video retrieval system that will allow video and other streaming media to be downloaded to the cloud and retrieved by personnel via the LAN. Teachers and other staff, that will be provided with a password, will be able to retrieve video and other streaming media to utilize for educational purposes. The system consists of a server and connection to the LAN.	\$ 11,600	
Subtotal Low Voltage System Enhancement Costs	\$ 84,400	
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$ 1,678,600	
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT ENHANCEMENT COSTS	\$ 3,454,100	
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT PROFESSIONAL FEES & CONTINGENCIES	\$ 1,026,540	
TOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$ 6,159,240	
TOTAL LIFE SAFETY COSTS	\$ 1,204,700	
TOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$ 6,159,240	
GRAND TOTAL	\$ 7,363,940	

EARLY LEARNING CENTER

2013 LIFE SAFETY SURVEY

Provide clear tempered glass in existing display case.	\$	1,800	
Provide code compliant rated doors and frames as well as code compliant hardware to maintain rating and provide adequate egress.	\$	7,600	
Provide hollow metal doors and frames with all required code compliant hardware. glazing in doors and sidelights to be insulated.	\$	52,600	
Install code compliant floor finish transitions and door thresholds as required for proper egress at existing spaces.	\$	1,800	
Remove and replace damaged CMU and properly install new CMU as required to provide code compliant separation.	\$	1,200	
Provide sprinkler water service and sprinkler system for the stage area.	\$	28,900	
Provide a reduced pressure back flow preventer valve assembly on the existing domestic water service.	\$	7,600	
Replace the existing domestic cold, hot and hot water return piping in the building to provide adequate water supply to the plumbing fixtures.	\$	1,097,300	
Provide new exhaust hood for cooking equipment being utilized.	\$	34,700	
Replace the existing boilers, unit ventilators and heating piping to provide adequate hot water heating to the HVAC equipment to maintain space temperature.	\$	900,900	
Provide a ceiling transfer air plenum in the corridor and transfer classroom relief air into the new plenum.	\$	63,500	
Provide new light fixture.	\$	-	
Provide new light fixture lens.	\$	-	
Provide accurate directory.	\$	-	
Provide new electrical panel door lock.	\$	-	
SUBTOTAL LIFE SAFETY CONSTRUCTION COSTS	\$	2,197,900	
SUBTOTAL LIFE SAFETY PROFESSIONAL FEES & CONTINGENCIES	\$	439,600	
TOTAL LIFE SAFETY COSTS	\$	2,637,500	

2013 PHYSICAL FACILITIES ASSESSMENT

SITE			
Remove existing paving and repave with 3 1/2" bituminous paving on 12" minimum CA-6 compacted gravel base at approximately 25% of area.	\$	239,700.00	
Replace concrete stoop and walk at courtyard exterior access	\$	10,500.00	
Subtotal Site Costs	\$	250,200.00	
ROOF			
Clean and paint all courtyard soffit panels. Repair panels as necessary.	\$	11,000.00	
Subtotal Roof Costs	\$	11,000.00	
BUILDING ENVELOPE			
Scrape and repaint existing steel window and door lintels	\$	3,700.00	
Scrape and repaint existing exterior exposed steel building structure	\$	1,800.00	
Repair and clean damaged face brick and tuck point all mortar joints	\$	236,800.00	
At the exterior exits 11, 12 & 13 from gymnasium, open up walls to further inspect existing lintels and flashing to determine cause and extent of damage at these openings. Repair as necessary and close wall.	\$	52,500.00	
Exterior Windows - Replace Caulking	\$	5,300.00	
Subtotal Building Envelope Costs	\$	300,100.00	
Enhancements			
Scrape and repaint existing wood roof structure	\$	21,000.00	
Repaint exterior metal hoods in courtyard	\$	2,300.00	
Subtotal Building Envelope Enhancement Costs	\$	23,300.00	
BUILDING INTERIOR			
Repair and paint all exposed ceilings throughout the facility	\$	160,000.00	
Replace damaged / stained suspended ceiling tiles throughout the facility	\$	1,200.00	
Repair and repaint CMU walls through out the building primarily at the locations of roof structure bearing at interior corridor walls and exterior walls in Classrooms 1, 11, 13, 15, 17, 19, 21, 23 & 25. General CMU repair and repaint also required at Classrooms 28, 30 & 32, Boiler Rm. 41, Multi-Purpose Rm. 48 and in Storage Rm. 53, gymnasium and throughout both locker rooms.	\$	402,600.00	
Replace fraying and separating carpet in Classrooms 1, 11, 13, 15, 16, 17, 18, 19, 20, 21, 23 & 25. A nominal cost to remove the existing flooring is included, however due to the fact that VAT is installed in various locations, an exact cost to abate the VAT is to be determined by the District's environmental consultant.	\$	58,400.00	
Replace tile flooring in Kitchen, Serving and Kitchen Storage, Office and Toilet Rms. A nominal cost to remove the existing flooring is included, however due to the fact that VAT is installed in various locations, an exact cost to abate the VAT is to be determined by the District's environmental consultant.	\$	43,400.00	
Replace damaged / missing wood floor base in gymnasium.	\$	2,300.00	
Repair damaged gyp. board pilasters in gymnasium.	\$	9,900.00	
Replace broken basketball backstop	\$	1,800.00	
Wired glass	\$	52,500.00	
Subtotal Building Interior Costs	\$	732,100.00	
Enhancements			
Replace damaged wall pads in Multi-Purpose Rm. 48.	\$	4,100.00	
Replace ceramic tile floor finish in all Toilet Rms.	\$	36,400.00	
Repair cracks in concrete floor slab in Storage Rms. 40 & 53.	\$	13,300.00	
Replace damaged casework at Kindergarten Classrooms 28 & 32.	\$	20,300.00	
Repaint all interior wood doors and hollow metal frames.	\$	22,600.00	
Repair and electro statically repaint exterior surfaces of metal corridor lockers. Repairs required at approximately 10% of lockers. No cost included to reinstall missing combination locks currently removed from ALL lockers.	\$	17,700.00	
Subtotal Building Interior Enhancement Costs	\$	114,400.00	

MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS

HVAC System			
Provide direct digital temperature controls with new room thermostats, control valves, temperature control panel, and programming to provide better temperature control of the facility. Webb base Interface the facility to the main DDC server in the maintenance shop. Chiller DDC controls are not included.	\$	288,800.00	* Chiller DDC controls are only required if HVAC System Enhancement item #1 is selected. The cost for chiller DDC controls is included in the scope of work for HVAC System Enhancement item #1.
As an upgrade Life Safety item M-3, provide new 2-pipe heating and cooling piping distribution, new 2-pipe heating/future cooling unit ventilators to heat and ventilate and provide exhaust make-up and outside air quantity to meet today's standards for exhaust make-up, indoor air quantity and code required outside air for classrooms. DDC controls are not included.	\$	630,000.00	** See HVAC Systems Item #1 for DDC control cost information. See Life Safety Item M-3 for H/V piping replacement cost.

EARLY LEARNING CENTER

Provide supplemental air conditioning in the MDF room.	\$ 141,800.00	District office main MDF room.
Subtotal HVAC System Costs	\$ 1,060,600.00	
Enhancements		
Provide air conditioning with packaged air cooled chiller, pumps, controls. Does not include costs for building DDC controls, new 2-pipe heating and cooling unit ventilators or new piping distribution in the building. Does not include new roof top unit costs for gymnasium, lunch room or computer room.	\$ 288,800.00	* See HVAC System Item #1 for building DDC controls cost estimate. See HVAC System Item #2 for unit ventilators cost estimate. See Life Safety Item M-3 for heating/future cooling piping cost estimate.
Provide new packaged gas fired/ D.X. cooling roof top unit with energy recovery and duct distribution to serve the gymnasium area. Provide demand control ventilation on the roof top unit to modulate the outside air based on CO2 levels in the space.	\$ 115,500.00	
Provide new packaged gas fired/ D.X. cooling roof top unit with energy recovery and duct distribution to serve the lunch room area. Provide demand control ventilation on the roof top unit to modulate the outside air based on CO2 levels in the space.	\$ 115,500.00	
Provide new packaged gas fired/ D.X. cooling roof top unit and duct distribution to serve the computer room area.	\$ 75,600.00	
Provide demand control ventilation on the new unit ventilators to modulate the outside air based on CO2 levels in the space. This is an enhancement and not included in the unit ventilator replacement costs.	\$ 46,200.00	
Replace the aging toilet exhaust fans with new exhaust fans.	\$ 75,600.00	
Subtotal HVAC System Enhancement Costs	\$ 717,200.00	
Plumbing System		
Provide water treatment on incoming water service to facility to improve water quality. Reduce erosion on domestic plumbing system, fixtures, piping, etc.	\$ 107,600.00	
Replace existing domestic water heater with new sealed combustion water heater and new circulating pump.	\$ 11,600.00	
Replace the existing classroom sinks and faucets.	\$ 21,000.00	
Replace the existing water closets and urinals with code compliant water consumption fixtures.	\$ 115,500.00	
Subtotal Plumbing System Costs	\$ 255,700.00	
Fire Protection System		
Enhancements		
Provide fire protection sprinkler system for the entire facility to comply with good engineering practice, current code compliance, and improve safety of the facility. Routing of fire protection piping to be exposed in areas of exposed finished structure.	\$ 231,000	
Subtotal Fire Protection System Enhancement Costs	\$ 231,000	
Electrical System		
The existing electrical distribution does not have Transient Voltage Surge Suppression (TVSS) equipment, which is utilized to protect electronic equipment in today's facility from powerful, short duration, electrical spikes. This equipment is installed at the main service and downstream in the electrical distribution. This protects lighting ballasts, variable frequency drives, computers, etc.	\$ 23,100	
Current educational curriculum often uses extensive electronics, such as video equipment, computers for students and teachers, etc., within all teaching spaces (beyond computer labs). We recommend installation of additional "computer" power at the student computer locations (typically 4 computers) and at the teacher location to serve computers and audio/video equipment within each teaching space. In addition, this would include one (1) CAT-6 cable from the student cluster and one (1) CAT-6 cable from the teacher location back to the nearest IDF or MDF. This cost does not include testing areas, where there is a high density of computers, or computer labs.	\$ 167,500	
Expand existing MDF and IDF cabinets and battery power to accommodate future technology needs.	\$ 23,100	
Provide additional power outlets future low voltage equipment , computers, etc in teaching spaces	\$ 69,300	
Subtotal Electrical System Costs	\$ 283,000	
Enhancements		
Replace existing electrical receptacles that have outlived their life cycle with new receptacles.	\$ 46,200	
Replace existing light switches in building that have outlived their life cycle with new switches.	\$ 23,100	
Provide new raceways to conceal data and phone wiring.	\$ 8,700	
Provide occupancy sensors in all spaces where lighting is not currently controlled by them.	\$ 104,000	* The current Energy Code requires occupancy sensors to be installed if any lighting system upgrades are undertaken.
Provide dimmable ballasts and daylight sensors to implement daylight harvesting to conserve energy when daylight available in classrooms and offices.	\$ 104,000	* The current Energy Code requires dimmable ballasts to be installed if any lighting system upgrades are undertaken.
Replace older emergency lighting and exit signs that have outlived their life cycle with new emergency lights and exit signs.	\$ 13,900	
Provide a lightning protection assessment for building	\$ 5,800	
Replace old distribution panel boards and branch panel boards.	\$ 34,700	
Panel boards located throughout the facility are full and do not have capacity for additional circuits. Provisions should be made for additional panel boards located throughout the facility to allow for additional electrical capacity for future needs. Four panels added.	\$ 23,100	
Subtotal Electrical System Enhancement Costs	\$ 363,500	
Low Voltage System		
Enhancements		
Provide a new sound system, speakers and projector for multi-purpose room and Gymnasium to allow spaces to be used for multiple events.	\$ 57,800.00	
Provide a new security camera system with new DVR head end to monitor the building entrances and the common spaces.	\$ 57,800.00	
Provide an IP based video retrieval system that will allow video and other streaming media to be downloaded to the cloud and retrieved by personnel via the LAN. Teachers and other staff, that will be provided with a password, will be able to retrieve video and other streaming media to utilize for educational purposes. The system consists of a server and connection to the LAN.	\$ 11,600.00	
Provide additional surface raceway and cable management accessories so that low voltage cabling is neatly and properly routed to low voltage equipment.	\$ 8,700.00	
The existing intercom is an older switch bank system, which is in need of continual repairs according to the service company. The system should be upgraded to a newer, more reliable system, which will inherently provide numerous additional advantages that are available with today's systems.	\$ 46,200.00	
Subtotal Low Voltage System Enhancement Costs	\$ 182,100.00	
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$ 2,892,700.00	
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT ENHANCEMENT COSTS	\$ 1,631,500.00	
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT PROFESSIONAL FEES & CONTINGENCIES	\$ 904,840.00	
TOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$ 5,429,040.00	
TOTAL LIFE SAFETY COSTS	\$ 2,637,500.00	
TOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$ 5,429,040.00	
GRAND TOTAL	\$ 8,066,540.00	

MONEE EDUCATION CENTER

2013 LIFE SAFETY SURVEY

Provide tempered glass	\$	1,200
Provide handrails at stage stairs	\$	2,300
Provide hollow metal doors and frames with all code compliant egress hardware to provide safe egress from classrooms.	\$	26,000
Install interior ramp and landing to be flush with exterior exit threshold and grade.	\$	-
Provide sprinkler water service and sprinkler system for the gym stage area.	\$	28,900
Provide a reduced pressure back flow preventer valve assembly on the existing domestic water service.	\$	7,600
Replace the existing domestic cold, hot and hot water return piping in the building to provide adequate water supply to the plumbing fixtures.	\$	381,200
Provide a make up air unit for the kitchen exhaust system.	\$	-
Provide an exhaust fan for the Janitors Closet to exhaust odors.	\$	-
Provide a larger kitchen exhaust hood to provide 6 inch overlap of the cooking equipment.	\$	-
Replace the existing heating piping to provide adequate hot water heating to the HVAC equipment to maintain space temperature.	\$	26,000
Provide new light fixture lens.	\$	-
Provide fire alarm pull station.	\$	600
Provide new fire alarm device.	\$	300
Provide directory for panelboard.	\$	-
SUBTOTAL LIFE SAFETY CONSTRUCTION COSTS	\$	474,100
SUBTOTAL LIFE SAFETY PROFESSIONAL FEES & CONTINGENCIES	\$	94,800
TOTAL LIFE SAFETY COSTS	\$	568,900

2013 PHYSICAL FACILITIES ASSESSMENT

SITE		
Replace all concrete walks through out the site	\$	53,600
Repair bituminous paving at site access from West main Street	\$	20,300
Subtotal Site Costs	\$	73,900
Enhancements		
Resurface all existing hard surface play areas	\$	51,500
Provide precast concrete parking bumpers at south parking area	\$	4,100
Subtotal Site Enhancement Costs	\$	55,600
ROOF		
Replace missing / damaged downspouts	\$	2,900
Replace missing / Damaged precast concrete splash blocks	\$	1,200
Subtotal Roof Costs	\$	4,100
Enhancements		
Replaced in 2004 with MB	\$	-
Subtotal Roof Enhancement Costs	\$	-
BUILDING ENVELOPE		
Scrape and repaint existing steel window and door lintels	\$	1,800
Repair and clean damaged face brick and tuck point all mortar joints	\$	104,000
Scrape, repair and refinish perimeter wood fascia boards	\$	4,100
Replace existing siding at Teacher's Lounge Rm. 14 including all flashing, trim and caulking to provide a weather tight condition.	\$	12,600
Replace all door seals to prevent air infiltration at all exterior doors. Cost indicated does not include doors at rooms 4, 8, 11 & 18 which are covered in Life Safety item A-5.	\$	6,400
Replace all windows in Teacher's Lounge addition Rm. 14.	\$	4,100
Subtotal Building Envelope Costs	\$	133,000
Enhancements		
Replace aluminum windows at Kindergarten Classrooms 10 & 12.	\$	40,400
Wrap existing wood fascia boards with prefinished metal.	\$	12,200
Subtotal Building Envelope Enhancement Costs	\$	52,600
BUILDING INTERIOR		
Repair / replace damaged portions of 1x1 Classroom ceilings particularly in East wing. Due to the fact that suspected asbestos containing materials may be installed in various locations, an exact cost to remove / replace the ceiling tiles is to be determined by the District's environmental consultant.	\$	11,600
Replace various damaged / missing 2x2 suspended ceiling tiles in corridors	\$	1,800
Replace all VCT and rubber base in the Corridors, Gymnasium, Kitchen and Cafeteria	\$	76,000
Repair and repaint CMU walls throughout the Gymnasium.	\$	43,400
Remove and replace floor slab expansion joint between Gymnasium and Cafeteria to eliminate possible future tripping hazard.	\$	6,400
Keying	\$	15,800
Wired Glass	\$	52,500
Kitchen counter	\$	2,100
Subtotal Building Interior Costs	\$	209,600
Enhancements		
Replace separating and fraying carpet in Classrooms 9-13	\$	21,400
Subtotal Building Interior Enhancement Costs	\$	21,400

MONEE EDUCATION CENTER

MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS

HVAC System			
Expand the existing central plant DDC controls to provide direct digital temperature controls with new room thermostats, control valves, temperature control panel, and programming to provide better temperature control of the facility. Chiller DDC controls are not included.	\$	168,000	* Chiller DDC controls are only required if HVAC System Enhancement item #1 is selected. The cost for chiller DDC controls is included in the scope of work for HVAC System Enhancement item #1.
As a upgrade to Life Safety item M-5, provide 2-pipe heating/future cooling piping distribution system along with new 2-pipe heating/future cooling unit ventilators to heat and ventilate and provide exhaust make-up and outside air quantity to meet today's standards for exhaust make-up, indoor air quantity and code required outside air for classrooms. New piping and DDC controls are not included.	\$	472,500	** See HVAC Systems Item #1 for DDC control cost information. See HVAC Item M-2 for piping upgrade replacement cost.
Provide supplemental air conditioning in the MDF Room.	\$	39,900	
Subtotal HVAC System Costs	\$	680,400	
Enhancements			
Provide air conditioning with packaged air cooled chiller, pumps, controls. Does not include costs for building DDC controls, new 2-pipe heating and cooling unit ventilators or new piping distribution in the building. Does not include new roof top unit costs for gymnasium, cafeteria or main office.	\$	199,500	* See HVAC System Item #1 for building DDC controls cost estimate. See HVAC System Item #2 for unit ventilators cost estimate. See Life Safety Item M-5 for heating piping cost estimate.
Provide new packaged gas fired/ D.X. cooling roof top unit with energy recovery and duct distribution to serve the gymnasium area. Provide demand control ventilation on the roof top unit to modulate the outside air based on CO2 levels in the space.	\$	115,500	
Provide new packaged gas fired/ D.X. cooling roof top unit with energy recovery and duct distribution to serve the lunch room area. Provide demand control ventilation on the roof top unit to modulate the outside air based on CO2 levels in the space.	\$	115,500	
Provide demand control ventilation on the new unit ventilators to modulate the outside air based on CO2 levels in the space. This is an enhancement and not included in the unit ventilator replacement costs.	\$	29,900	
Replace the aging toilet exhaust fans with new exhaust fans.	\$	46,200	
Provide new packaged gas fired/ D.X. cooling roof top unit and duct distribution to serve the main office area.	\$	52,500	
Provide new packaged gas fired/ D.X. cooling roof top unit and duct distribution to serve the computer room area.	\$	75,600	
Subtotal HVAC System Enhancement Costs	\$	634,700	
Plumbing System			
Provide water treatment on incoming water service to facility to improve water quality. Reduce erosion on domestic plumbing system, fixtures, piping, etc.	\$	107,600	
Replace existing domestic water heater with new sealed combustion water heater and new circulating pump.	\$	11,600	
Replace the existing classroom sinks and faucets.	\$	11,000	
Replace the existing water closets and urinals with code compliant water consumption fixtures.	\$	23,100	
Correct drainage piping issue outside on south east corner of the gymnasium.	\$	5,800	
Subtotal Plumbing System Costs	\$	159,100	
Fire Protection System			
Enhancements			
Provide fire protection sprinkler system for the entire facility to comply with good engineering practice, current code compliance, and improve safety of the facility.	\$	105,000	
Subtotal Fire Protection System Enhancement Costs	\$	105,000	
Electrical System			
The existing electrical distribution does not have Transient Voltage Surge Suppression (TVSS) equipment, which is utilized to protect electronic equipment in today's facility from powerful, short duration, electrical spikes. This equipment is installed at the main service and downstream in the electrical distribution. This protects lighting ballasts, variable frequency drives, computers, etc.	\$	23,100	
Replace older obsolete electrical branch panels with new electrical panels.	\$	18,500	
Subtotal Electrical System Costs	\$	41,600	
Enhancements			
Replace existing electrical receptacles that have outlived their life cycle with new receptacles.	\$	18,400	
Replace existing light switches in building that have outlived their life cycle with new switches.	\$	8,700	
Provide a new natural gas generator to backup all emergency and current essential loads in building. These essential and emergency loads include, but are not limited to: Boilers, Heating Pumps, Sump Pumps, Fire Alarm Control Panel, Essential Food Service Loads/Offices/Equipment/Freezers, Temperature Controls to maintain building temperature above freezing, MDF cabinets, IDF cabinets, MDF/IDF Cooling, Emergency lighting, IT/Maintenance Offices, Multipurpose, Cafeteria and Exit Signs. Concrete pad included.	\$	92,400	
Provide occupancy sensors in all spaces where lighting is not currently controlled by them.	\$	40,400	* The current Energy Code requires occupancy sensors to be installed if any lighting system upgrades are undertaken.
Provide dimmable ballasts and daylight sensors to implement daylight harvesting to conserve energy when daylight available in classrooms and offices.	\$	40,400	* The current Energy Code requires dimmable ballasts to be installed if any lighting system upgrades are undertaken.
Replace older emergency lighting and exit signs that have outlived their life cycle with new emergency lights and exit signs.	\$	8,700	
Provide a lightning protection assessment for building	\$	5,800	
Panel boards located throughout the facility are full and do not have capacity for additional circuits. Provisions should be made for additional panel boards located throughout the facility to allow for additional electrical capacity for future needs. Four panels added.	\$	23,100	
The existing intercom is an older switch bank system, which is in need of continual repairs according to the service company. The system should be upgraded to a newer, more reliable system, which will inherently provide numerous additional advantages that are available with today's systems.	\$	46,200	
Subtotal Electrical System Enhancement Costs	\$	284,100	
Low Voltage System			
Enhancements			
Provide a new sound system, speakers and projector for cafeteria and Gymnasium to allow spaces to be used for multiple events.	\$	52,000	
Expand existing MDF and IDF cabinets and battery power to accommodate future technology needs.	\$	34,700	
Provide a new security camera system with new DVR head end to monitor the building entrances and the common spaces.	\$	28,900	

MONEE EDUCATION CENTER

Provide an IP based video retrieval system that will allow video and other streaming media to be downloaded to the cloud and retrieved by personnel via the LAN. Teachers and other staff, that will be provided with a password, will be able to retrieve video and other streaming media to utilize for educational purposes. The system consists of a server and connection to the LAN.	\$	11,600	
Provide additional surface raceway and cable management accessories so that low voltage cabling is neatly and properly routed to low voltage equipment.	\$	8,700	
Provide additional electrical panels, rough-ins and power distribution for future low voltage equipment , computers, etc in teaching spaces	\$	34,700	
Subtotal Low Voltage System Enhancement Costs	\$	170,600	
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$	1,301,700	
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT ENHANCEMENT COSTS	\$	1,324,000	
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT PROFESSIONAL FEES & CONTINGENCIES	\$	260,300	
TOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$	2,886,000	
TOTAL LIFE SAFETY COSTS	\$	568,900	
TOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$	2,886,000	
GRAND TOTAL	\$	3,454,900	

TALALA ELEMENTARY SCHOOL

2013 LIFE SAFETY SURVEY

Install code compliant metal handrails at both sides of both stairs.	\$	1,200	
Provide code compliant handrails at both sides of both stage stairs.	\$	1,200	
Provide non-combustible code compliant stairs, handrails and landings at upper level Stage Storage rooms.	\$	17,300	
Provide sprinkler water service and sprinkler system for the gym stage area.	\$	28,900	
Provide a grease trap for the 3 compartment sink.	\$	5,800	
Provide a reduced pressure back flow preventer valve assemble on the existing domestic water service.	\$	7,600	
Replace the existing domestic cold, hot and hot water return piping in the building to provide adequate water supply to the plumbing fixtures.	\$	617,900	
Provide an exhaust fan for the Janitors Closet to exhaust odors.	\$	-	
Replace the existing heating piping to provide adequate hot water heating to the HVAC equipment to maintain space temperature.	\$	485,100	
Provide a make up air unit to provide ventilation for exhaust make up to the kitchen exhaust hood.	\$	-	
Provide emergency lighting.	\$	2,300	
Provide new panelboard directories.	\$	-	
Provide light fixture at exterior man door.	\$	2,300	
Provide proper labels for all panelboards and disconnect means.	\$	-	
Provide smoke detector above fire alarm control panel (FACP).	\$	300	
Provide emergency lighting.	\$	1,200	
Provide new panelboard directories	\$	-	
SUBTOTAL LIFE SAFETY CONSTRUCTION COSTS	\$	1,171,100	
SUBTOTAL LIFE SAFETY PROFESSIONAL FEES & CONTINGENCIES	\$	234,200	
TOTAL LIFE SAFETY COSTS	\$	1,405,300	

2013 PHYSICAL FACILITIES ASSESSMENT

SITE			
Remove existing paving and repave with 3 1/2" bituminous paving on 12" minimum CA-6 compacted gravel base at approximately 25% of area.	\$	266,500	
At the hard surface playgrounds remove existing paving and repave with 2 1/2" bituminous paving on 10" minimum CA-6 compacted gravel base at approximately 25% of area.	\$	52,000	
Repair / replace concrete walks	\$	20,300	
Parking stops	\$	5,300	
Subtotal Site Costs	\$	344,100	
Enhancements			
Increase parking lot capacity, add isolated student drop-off/pick-up area from busses including additional drive up from Blackhawk Drive. Includes additional pole mounted lighting. Cost is in addition to parking lot and drives paving work which is required with the enhancement.	\$	381,200	
Subtotal Site Enhancement Costs	\$	381,200	
ROOF			
Replace damaged / missing downspouts	\$	5,300	
Subtotal Roof Costs	\$	5,300	
BUILDING ENVELOPE			
Tuck point window sill mortar joints.	\$	10,500	
Clean all exterior masonry	\$	1,100	
Scrape and repaint rusting lintels.	\$	2,300	
Replace Kindergarten and Counselor's windows	\$	55,400	
Subtotal Building Envelope Costs	\$	69,300	
Enhancements			
Main office secure entrance and reconfiguration of Main Office			
Subtotal Building Envelope Enhancement Costs	\$	-	
BUILDING INTERIOR			
Replace water stained, cracked, damaged, and discolored acoustical ceiling tiles throughout the facility.	\$	1,800	
Repair/replace and repaint damaged exposed tectum ceiling panels.	\$	43,400	
Repair and repaint cracked and damaged CMU throughout the facility.	\$	31,200	
Replace stained, cracked and damaged VCT flooring and transition strips in Classrooms, Corridors and Multi-Purpose Room.	\$	173,300	
Completely renovate all toilet rooms	\$	321,700	* Cost does not include toilet and urinal fixtures. See Plumbing Sys
Wired Glass	\$	52,500	
Subtotal Building Interior Costs	\$	623,900	
Enhancements			
Replace carpet at Learning Center and Computer Lab.	\$	14,500	
Subtotal Building Interior Enhancement Costs	\$	14,500	
MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS			
HVAC System			
Expand the existing central plant DDC controls to provide direct digital temperature controls with new room thermostats, control valves, temperature control panel, and programming to provide better temperature control of the facility. Chiller DDC controls are not included.	\$	231,000	* Chiller DDC controls are only required if HVAC System Enhancement item #1 is selected. The cost for chiller DDC controls is included in the scope of work for HVAC System Enhancement item #1.
As an upgrade to Life Safety item M-3 - provide new 2-pipe heating/future cooling piping distribution and new heating /future cooling unit ventilators to heat and ventilate and provide exhaust make-up and outside air quantity to meet today's standards for exhaust make-up, indoor air quantity and code required outside air for classrooms. DDC controls are not included. Gym RTU in not included.	\$	777,000	** See HVAC Systems Item #1 for DDC control cost information. See HVAC System Enhancements Item #2 for Gym RTU cost estimate.
Provide supplemental air conditioning in the MDF Room.	\$	39,900	
Subtotal HVAC System Costs	\$	1,047,900	
Enhancements			

TALALA ELEMENTARY SCHOOL

Provide air conditioning with packaged air cooled chiller, pumps, controls. Does not include costs for building DDC controls, new 2-pipe heating and cooling unit ventilators or new piping distribution in the building.	\$	404,300	* See HVAC System Item #1 for building DDC controls cost estimate. See HVAC System Item #2 for unit ventilators cost estimate and costs for heating/future cooling piping cost estimate.
Provide new packaged gas fired/ D.X. cooling roof top unit with energy recovery and duct distribution to serve the gymnasium area. Provide demand control ventilation on the roof top unit to modulate the outside air based on CO2 levels in the space.	\$	115,500	
Provide demand control ventilation on the new unit ventilators to modulate the outside air based on CO2 levels in the space. This is an enhancement and not included in the unit ventilator replacement costs.	\$	43,600	
Replace the aging toilet exhaust fans with new exhaust fans.	\$	47,300	
Replace ageing fan coil unit serving the main office with a new package gas fired/D.X. cooling roof top unit.	\$	46,200	
Subtotal HVAC System Enhancement Costs	\$	656,900	
Plumbing System			
Provide water treatment on incoming water service to facility to improve water quality. Reduce erosion on domestic plumbing system, fixtures, piping, etc.	\$	107,600	
Replace existing domestic water heater with new sealed combustion water heater and new circulating pump.	\$	11,600	
Replace the existing water closets and urinals with code compliant water consumption fixtures.	\$	66,200	
Subtotal Plumbing System Costs	\$	185,400	
Fire Protection System			
Enhancements			
Provide fire protection sprinkler system for the entire facility to comply with good engineering practice, current code compliance, and improve safety of the facility.	\$	194,300	
Subtotal Fire Protection System Enhancement Costs	\$	194,300	
Electrical System			
Replace older obsolete electrical branch panel boards with new panel boards.	\$	23,100	
The existing electrical distribution does not have Transient Voltage Surge Suppression (TVSS) equipment, which is utilized to protect electronic equipment in today's facility from powerful, short duration, electrical spikes. This equipment is installed at the main service and downstream in the electrical distribution. This protects lighting ballasts, variable frequency drives, computers, etc.	\$	23,100	
Current educational curriculum often uses extensive electronics, such as video equipment, computers for students and teachers, etc., within all teaching spaces (beyond computer labs). We recommend installation of additional "computer" power at the student computer locations (typically 4 computers) and at the teacher location to serve computers and audio/video equipment within each teaching space. In addition, this would include one (1) CAT-6 cable from the student cluster and one (1) CAT-6 cable from the teacher location back to the nearest IDF or MDF. This cost does not include testing areas, where there is a high density of computers, or computer labs.	\$	80,900	
Panel boards located throughout the facility are full and do not have capacity for additional circuits. Provisions should be made for additional panel boards located throughout the facility to allow for additional electrical capacity for future needs. Four panels added.	\$	57,800	
Subtotal Electrical System Costs	\$	184,900	
Enhancements			
Replace existing electrical receptacles that have outlived their life cycle with new receptacles.	\$	23,100	
Replace existing light switches in building that have outlived their life cycle with new switches.	\$	11,600	
Provide a new natural gas generator to backup all emergency and current essential loads in building. These essential and emergency loads include, but are not limited to: Boilers, Heating Pumps, Sump Pumps, Fire Alarm Control Panel, Essential Food Service Loads/Offices/Equipment/Freezers, Temperature Controls to maintain building temperature above freezing, MDF cabinets, IDF cabinets, MDF/IDF Cooling, Emergency lighting, IT/Maintenance Offices, Multipurpose, Cafeteria and Exit Signs. Concrete pad included.	\$	104,000	
Provide occupancy sensors in all occupied spaces where lighting is not currently controlled by them.	\$	69,300	* The current Energy Code requires occupancy sensors to be installed if any lighting system upgrades are undertaken.
Provide dimmable ballasts and daylight sensors to implement daylight harvesting to conserve energy when daylight available in classrooms and offices.	\$	69,300	* The current Energy Code requires dimmable ballasts to be installed if any lighting system upgrades are undertaken.
Replace older emergency lighting and exit signs that have outlived their life cycle with new emergency lights and exit signs.	\$	8,700	
Provide a lightning protection assessment for building	\$	5,800	
Subtotal Electrical System Enhancement Costs	\$	291,800	
Low Voltage System			
Enhancements			
Provide a new sound system, speakers and projector for Gymnasium to allow spaces to be used for multiple events.	\$	28,900	
Expand existing MDF and IDF cabinets and battery power to accommodate future technology needs.	\$	23,100	
Provide a new security camera system with new DVR head end to monitor the building entrances and the common spaces.	\$	40,400	
Provide an IP based video retrieval system that will allow video and other streaming media to be downloaded to the cloud and retrieved by personnel via the LAN. Teachers and other staff, that will be provided with a password, will be able to retrieve video and other streaming media to utilize for educational purposes. The system consists of a server and connection to the LAN.	\$	11,600	
Provide additional surface raceway and cable management accessories so that low voltage cabling is neatly and properly routed to low voltage equipment.	\$	8,700	
Subtotal Low Voltage Enhancement Costs	\$	112,700	
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$	2,460,800	
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT ENHANCEMENT COSTS	\$	1,651,400	
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT PROFESSIONAL FEES & CONTINGENCIES	\$	822,440	
TOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$	4,934,640	
TOTAL LIFE SAFETY COSTS	\$	1,405,300	
TOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$	4,934,640	
GRAND TOTAL	\$	6,339,940	

CRETE-MONEE MIDDLE SCHOOL

2013 LIFE SAFETY SURVEY

Provide compliant sealed rated wall construction at all holes, cracks and penetrations in existing rated walls.	\$	5,300
Provide continuous code compliant metal handrail as required.	\$	3,300
Provide rated enclosure walls extending up to the underside of the deck with rated door and frame. Seal all penetrations in rated construction as required to maintain separation between MDF / Storage room and classroom.	\$	-
Provide an exhaust fan for the Janitors Closet to exhaust odors.	\$	-
Provide a Plaque indicating the main gas shut off valve.	\$	-
Provide accurate directory.	\$	-
Provide label for panelboards.	\$	-
SUBTOTAL LIFE SAFETY CONSTRUCTION COSTS	\$	8,600
SUBTOTAL LIFE SAFETY PROFESSIONAL FEES & CONTINGENCIES	\$	1,700
TOTAL LIFE SAFETY COSTS	\$	10,300

2013 PHYSICAL FACILITIES ASSESSMENT

SITE

Remove existing deteriorated paving and repave with 3 1/2" bituminous paving. At approximately 25 % of the area, replace existing base with 12" minimum CA-6 compacted gravel base.	\$	-
Subtotal Site Costs	\$	-

BUILDING ENVELOPE

Scrape and repaint existing steel window and door lintels	\$	2,300
Replace broken window screens at exterior windows in Rms. 107 & 132E.	\$	-
Repair and clean damaged face brick and tuck point mortar joints at approximately 30% of exterior face brick.	\$	34,700
Repair damaged exposed concrete foundation walls along entire perimeter of the building	\$	46,200
General repair and repaint CMU walls through out the building at the interior face of exterior walls and window jambs and sills in Rms. 100, 107, 108, 116, 117, 118, 120, 121, 123, 127, 132D & 145.	\$	-
At the exterior windows / lintels at Classrooms 116, 118 & 120, open up walls to further inspect existing lintels and flashing to determine cause and extent of damage at these openings. Repair as necessary and close wall.	\$	17,300
Replace weather stripping and exterior door seals at main building entry 152	\$	-
Caulk joints at precast panels	\$	10,500
Subtotal Building Envelope Costs	\$	111,000

BUILDING INTERIOR

Replace door, frame and hardware at interior doors in Rms. 100, 104, 114, 119, 122, 124, 131A, 138A, 163, 165, 201, 202D, 204D & 204E.	\$	-
Repair and repaint damaged gyp. board walls (primarily at door jambs and corners) throughout the building.	\$	-
Install proper stair treads and nosings at interior stairs 131A, 155, 162, 201A & 201B	\$	4,100
Replace missing / damaged wood base in Gymnasium Rm. 201.	\$	2,300
Repair damaged wood floor in Gymnasium 201 caused by previously installed drinking fountain and under retractable bleachers.	\$	8,700
Replace suspended toilet room ceilings at Rms. 122, 124, 163, 206B, 206C & 208B.	\$	5,900
Replace damaged / stained suspended ceiling tiles throughout the facility	\$	10,500
General repair and repaint at interior CMU walls at Rms. 206A, the Boiler and Storage Rms. 168, 169 & 138, Gymnasium 201 and Locker Rms. 202 & 204.	\$	61,800
Significant cracking and deterioration of the CMU walls in the upper Storage Rms. 203A & 203B should be adequately repaired and repainted to prevent further deterioration.	\$	20,100
Replace damaged VCT flooring and rubber base in Rms. 106, 111, 115, 131A, 137B	\$	3,900
Replace ceramic tile floors in Toilet Rms. 122, 124, 158, 159, 164	\$	-
Replace broken room sign at gymnasium entrance	\$	-
Wired glass	\$	52,500
Subtotal Building Interior Costs	\$	169,800

Enhancements

Protect edge of concrete ramps with metal pipe guardrails at Locker Rms. 202 & 204.	\$	2,900
Repaint metal handrails at ramp and stairs in Corridor 155 and upper level Gymnasium access stairs 201A & 201B.	\$	10,500
Replace worn / stained carpet and rubber base in Rms. 131, 132, 145, 152, 157 & 223	\$	10,500
Repair cracks in concrete floor slab in Rms. 111, 115 & 157.	\$	15,900
Repaint all exposed, gyp. board ceilings, and structure in finished areas, throughout the facility	\$	43,900
Repair general cracking at upper level concrete floor in Gymnasium 201 and Storage Rms. 203A & 203B.	\$	13,900
Replace missing / damaged rubber base at upper level Gymnasium concrete floor and in upper level Storage Rms. 203A & 203B.	\$	2,900
Repair and repaint metal toilet partition in Toilet Rooms 122, 124, 163 & 164	\$	-
Replace damaged chairs in Little Theater Rm. 131 (22 total chairs at the time of the walk through)	\$	-
Replace damaged / missing acoustical wall panels in Little Theater Rm. 131.	\$	-
Subtotal Building Interior Enhancement Costs	\$	100,500

MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS

HVAC System

Provide new Fan powered vav boxes, modify existing ductwork and piping, additional power, and new controls to provide new VAV Boxes for each individual class room to provide control for 20 classrooms. As an alternate : Expand the existing central plant DDC controls to provide direct digital temperature controls with new wireless averaging room thermostats in 20 class rooms to control 10 VAV boxes. Provide additional programming for existing 10 VAV boxes that serve the 20 classrooms, and transfer the existing 10 VAV boxes from the Seibe system to the Johnson Controls system to provide better temperature control of the facility. \$70,000	\$	420,000
Replace deteriorating heating piping distribution with new -2 pipe heating /ventilation piping, shut-off valves, etc. - Does not include VAV boxes or temperature controls.	\$	908,300

CRETE-MONEE MIDDLE SCHOOL		
Provide supplemental air conditioning in the MDF Room.	\$	42,000
Subtotal HVAC System Costs	\$	1,370,300
Enhancements		
Replace aging toilet exhaust fans.	\$	94,500
Subtotal HVAC System Enhancement Costs	\$	94,500
Plumbing System		
Replace the existing 28 toilet room sinks faucets with new 2 button metered faucets.	\$	21,000
Replace domestic hot, cold and hot water recirculating piping - plumbing fixtures not included	\$	871,500
Subtotal Plumbing System Costs	\$	892,500
Electrical System		
The existing electrical distribution does not have Transient Voltage Surge Suppression (TVSS) equipment, which is utilized to protect electronic equipment in today's facility from powerful, short duration, electrical spikes. This equipment is installed at the main service and downstream in the electrical distribution. This protects lighting ballasts, variable frequency drives, computers, etc.	\$	23,100
Replace older obsolete electrical branch panel boards with new panel boards.	\$	92,400
Subtotal Electrical System Costs	\$	115,500
Enhancements		
Test and provide new emergency light fixtures and exist signs.	\$	13,900
Provide occupancy sensors in all spaces where lighting is not currently controlled by them.	\$	115,500
Provide dimmable ballasts and daylight sensors to implement daylight harvesting to conserve energy when daylight available in classrooms and offices.	\$	115,500
Provide a lightning protection assessment for building	\$	11,600
Subtotal Electrical System Enhancement Costs	\$	256,500
Low Voltage System		
Enhancements		
Provide a new sound system, speakers and projector for Multi-purpose room and Gymnasium to allow spaces to be used for multiple events.	\$	57,800
Provide a new security camera system with new DVR head end to monitor the building entrances and the common spaces.	\$	57,800
Provide an IP based video retrieval system that will allow video and other streaming media to be downloaded to the cloud and retrieved by personnel via the LAN. Teachers and other staff, that will be provided with a password, will be able to retrieve video and other streaming media to utilize for educational purposes. The system consists of a server and connection to the LAN.	\$	11,600
Subtotal Low Voltage System Enhancement Costs	\$	127,200
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$	2,659,100
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT ENHANCEMENT COSTS	\$	578,700
SUBTOTAL PHYSICAL FACILITIES ASSESSMENT PROFESSIONAL FEES & CONTINGENCIES	\$	531,800
TOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$	3,190,900
TOTAL LIFE SAFETY COSTS	\$	10,300
TOTAL PHYSICAL FACILITIES ASSESSMENT COSTS	\$	3,190,900
GRAND TOTAL	\$	3,201,200