

Amelia Earhart Elementary School

400 Packet Landing Road

School Data

Date School Opened: 1979 2013 - 2014 School Year Enrollment: 618 Standard Classrooms: 22 Modular Classrooms: 0 Portable Classrooms: 10 Classrooms Used for Other Programs: 0 Building Area: 36,270 sq. ft. Site Area: 8.0 acres

Amelia Earhart Elementary School - Background Information

Amelia Earhart Elementary School is located on Bay Farm Island in Alameda. The school was built in 1979 to accommodate the burgeoning school population resulting from the development of Bay Farm. Amelia Earhart Elementary School is the largest elementary school in Alameda, having grown from 300 students in 1979 to over 600 students today. Amelia Earhart Elementary School experiences both the challenges and advantages of a suburban school operating in an urban school district.

Amelia Earhart Elementary School enhances traditional curriculum with extended learning opportunities in science and arts, incorporating standards-based art instruction, K-5 music, gardening, hands-on science and valuable field-study opportunities.

Amelia Earhart Elementary School is constructed on concrete pad foundations with one-story wood-framed, cement plastered walls, and metal roofing. The original campus includes a multi-purpose room with cafeteria, an administration building, and three classroom clusters with six classrooms, and a central resource center. In 1988, classroom cluster "F" was added along with an addition to cluster "E", and a campus wide lighting upgrade.

This site currently serves 618 kindergarten through 5th grade students with thirty-two classrooms, including ten relocatable buildings added since 1992, which serve as classrooms and daycare. A large asphalt playground extends into the area between the multi-purpose room and the classrooms, which serves as the campus focal point.





Amelia Earhart Elementary School - Existing Conditions Summary Facilities Assessment Needs

- Interior floor and wall finishes are at end of service life.
- Power and data infrastructure is in need of upgrades.
- Deteriorated playground asphalt and accessible cross slope issues
- Classrooms 15 and 16 not directly accessible from playground.
- Day-lighting skylights shuttered and are non-functional.
- Inadequate site and parking lot lighting level
- No emergency egress lighting at covered walkways.
- Some areas don't have required fire alarm strobes.
- Classroom furnace units are near end of service life.
- Investigate roof framing for vented insulation space and potential dry rot.
- Accessibility issues throughout to be brought up to current codes, exterior path of travel-including drop-off, parking, school entry signage, playground, ADA and way-finding signage.
- Phone, clock, bell and public address system upgrades needed.
- Coordinate with City of Alameda, location to increases safety of pedestrian crossings and traffic mitigation.

Educational Program Needs

- Projection technology and Wi-Fi infrastructure to support mobile technology at all classrooms
- Dedicated science classrooms should be provided and centrally located.
- Improve fencing, consider security cameras.
- Restore play fields, provide adequate storage, replace on-grade sandboxes with raised motor skills equipment.
- Dedicated music classroom, adjacent to multi-purpose room
- Repair movable partition at multi-purpose room.
- Landscaped outdoor learning areas

Unique Opportunities

• Amelia Earhart School's 8-acre site, with ample play fields, provides an opportunity for expansion.







Amelia Earhart Elementary School - Master Plan Summary

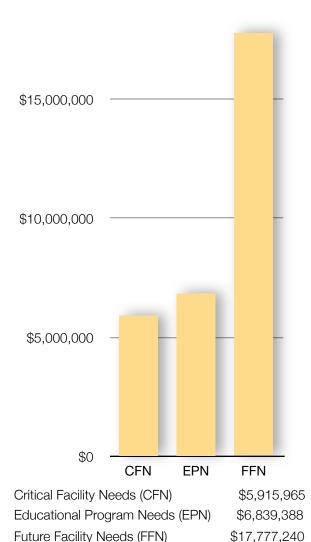
Master Plan Features

- New Classroom clusters portable classroom replacement plus school expansion
- New or expanded multi-purpose room with music classroom
- New administration building

- Remodeled media center/library at existing administration building
- New science classrooms
- New, reconfigured play fields
- Outdoor learning and amphitheater spaces

Improvements by Category

\$20,000,000



Proposed Improvements

	DISTRICT COMMON TRENDS	COMMON PROPOSED RESPONSE
	Safety and Security	Extend perimeter fencing, improve site lighting, provide a prominent primary campus entrance at administration with visual connection, and improve parking and vehicular circulation.
5	Accessibility	Repair walkways, ramps and door thresholds, new directional signage, improve parking and paths of travel.
	Technology	Improve wireless coverage and performance, update audio visual and presentation capabilities.
	Science, Technology, Engineering, Art, Mathematics	Provide dedicated science, art and music classrooms.
	Facilities Infrastructure	New administration, multi-purpose and classroom structures, new play field, campus energy-management system.

Amelia Earhart Elementary School - Committee Facilities Improvement Categories

Attendees at the school site meetings provided their recommendation on the priority of improvements within the three categories for use in future decision making. These recommendations will be considered along with other factors when scheduling projects as funding becomes available.

Critical Facility Needs (CFN)

- Accessibility issues throughout to be brought up to current codes, exterior path of travel-including drop-off, parking, school entry signage, playground, ADA and way-finding signage.
- Phone, clock, bell and public address system upgrades
- Fire, life, safety improvements (structural, alarms, etc.)
- Upgrade emergency and site lighting.
- Upgrade power and data systems.
- Coordinate with City of Alameda, location for pedestrian crossing.

Educational Program Needs (EPN)

- Projection technology Wi-Fi infrastructure to support mobile technology at classrooms
- Dedicated science classrooms should be provided and centrally located.
- Improve fencing, consider security cameras.
- Restore play fields, provide adequate storage, replace ongrade sandboxes with raised motor skills equipment.
- Dedicated music classroom, adjacent to multi-purpose room
- Repair movable partition at multi-purpose room.
- Landscaped outdoor learning areas

Future Facility Needs (FFN)

- Enlarged or new multi-purpose room and administration building
- Need for toilet rooms for students, staff and public at multipurpose room.



AMELIA EARHART ELEMENTARY SCHOOL SITE PLAN

CATEGORY	SOURCE	DESCRIPTION (Deficiency/Remedy)	ESTIMATED TAKE OFF		COST/ UNIT	30% Soft Cost Allowance	TOTAL COST
ن ا	,	SITE ISSUES	Qty.	Unit			
		The pavement designations for the ADA student drop-off zone is noncompliant and suggestive of parking stalls.					
CFN	FA	Paint out all three ADA stall designations on the pavement. Replace ADA loading zone sign with a compliant sign.	3	EA	648.0	\$583	\$2,527
CFN	FA	Pavement cross slope in ADA student drop-off is 2.7%. Edge grind at perimeter of stall; overlay pavement to reduce cross slope, taper 5 feet into drive aisle. Restripe to ADA standards.	308	SF	9.7	\$898	\$3,892
CFN	FA	Pavement cross slope in accessible stall area is 2.5%. Missing and out- of-date signage. Edge grind at perimeter of stall; overlay pavement to reduce cross slope; taper 5 feet into drive aisle. Restripe per ADA standards. Add signage to right stall; add minimum fine sign to left stall.	450	SF	9.7	\$1,312	\$5,686
CFN	FA	Pavement cross slope in stall and unloading zone exceeds 3%. Signage is out-of-date. Lacks truncated domes at crossing. Edge-grind at perimeter of stall; overlay pavement to reduce cross slope, taper 5 feet into adjoining stalls on three sides. Update signage to current standards. Restripe to current standards. Add band of truncated domes on both sides of circulation aisle.	450	SF	16.2	\$2,187	\$9,477

CATEGORY	SOURCE	DESCRIPTION (Deficiency/Remedy)	ESTIMATED TAKE OFF		COST/ UNIT	30% Soft Cost Allowance	TOTAL COST
CFN	FA	The cross slope on the walkway leading to the administration building entrance is 3.3%. There is a tripping hazard along the north side where the concrete adjoins asphalt. Remove concrete and asphalt and reinstall as all-concrete with 2% maximum cross slope towards fenced area.	1,800	SF	16.2	\$8,748	\$37,908
CFN	FA	The transition slab from the door landing to the adjoining walk has a slope of 7%. Remove steep section of walk and adjoining level section. Regrade and replace walk to achieve a 5% maximum slope. Alternatively, add railing to one side of ramp.	320	SF	21.6	\$2,074	\$8,986
CFN	FA	Walkway on the path from public way and ADA drop-off has a cross slope of 2.6%. Remove walk, flatten cross slope starting at back of curb, and replace walkway paving to achieve 2% maximum cross slope.	640	SF	21.6	\$4,147	\$17,971
CFN	FA	Cross slope of existing paved play court varies from 2.2% to 3.8% This would require a significant reconstruction of the pavement and drainage infrastructure to correct. An alternative could be removal of existing pavement, add a linear planter with seat wall(s) as a way of taking up grade, and repave at 2% maximum slope. This will reduce the available play area and flexibility of the space.	1,200	SF	9.7	\$3,499	\$15,163

CATEGORY	SOURCE	DESCRIPTION (Deficiency/Remedy)	cy/Remedy) ESTIMATE				TOTAL COST
C	U)		Qty.	Unit		Allowance	
CFN	FA	The rim of the sewer lift station projects approximately 3/4" above pavement grade and is a tripping hazard. Saw-cut and remove ring of pavement around lid and repave for smooth pavement transition to make flush with lid.	100	SF	7.6	\$227	\$983
CFN	FA	Pavement surface in the parking area is deteriorated. Grind, regrade and repave entire parking area.	20,000	SF	6.5	\$38,880	\$168,480
CFN	FA	There is a 2.9% cross slope on paved kindergarten play yard, and deteriorated pavement. Edge-grind adjoining building; install pavement fabric and 1.5 inches of pavement overlay to flatten cross slope. Restripe the play yard.	8,400	SF	6.5	\$16,330	\$70,762
CFN	FA	There is a noncompliant 3.6% pavement cross-slope in direction of travel west of classroom cluster C. Edge-grind the pavement adjoining the buildings; install pavement fabric and variable depth pavement overlay to flatten cross slope.	5,300	SF	6.5	\$10,303	\$44,647
CFN	FA	There is a 4% pavement cross slope across entire play court to the south of classroom cluster C. Edge-grind the pavement adjoining the buildings; install pavement fabric and variable-depth pavement overlay to flatten cross slope.	32,000	SF	6.5	\$62,208	\$269,568
CFN	FA	Classrooms 15 and 16 (cluster B) have no direct accessible path of travel to the playground. Install a new concrete accessible ramp.	240	SF	23.8	\$1,711	\$7,413

CATEGORY	SOURCE	DESCRIPTION (Deficiency/Remedy)	.,		(E OFF COST/ UNIT		TOTAL COST
O		No fire truck access to some portions of the campus	Qty.	Unit			
CFN	FA	Add a fire-access gate in the fence at the northeast corner of campus.	192	SF	32.4	\$1,866	\$8,087
CFN	FA	Poor fire hydrant coverage of site. The only hydrants are at the parking lot exit and nearby intersection. Add private fire service and hydrant to campus.	1	EA	81,000.0	\$24,300	\$105,300
CFN	FA	The interconnected nature of the buildings will likely result in a large fire area, and correspondingly high required fire hydrant flows, which may not be able to be met by the surrounding hydrants. Consider adding fire sprinklers to existing buildings to reduce required fire-flow.	36,270	SF	14.0	\$152,769	\$662,000
CFN	FA	Many of the existing onsite drain inlets in pedestrian traffic areas do not have ADA-compliant grates. Replace grates with code-compliant grates.	8	EA	324.0	\$778	\$3,370
CFN	FA	Existing irrigation system has many short-circuits and manually-operated zones. Replace the existing irrigation system with a remote-monitoring controller system.	1	LS	21,600.0	\$6,480	\$28,080
CFN	FA	At play fields, hills and mounds of dirt are left over from previous construction projects. Remove 500 cubic yards of dirt; regrade and replant grass.	500	CY	18.4	\$2,754	\$11,934

CATEGORY	SOURCE	DESCRIPTION (Deficiency/Remedy)	ESTIMA TAKE	OFF	COST/ UNIT	30% Soft Cost Allowance	TOTAL COST
O		Ot had all the above and at a late D and E	Qty.	Unit			
CFN	FA	Students walk through grassy area north of pods A, B, and F. Add a concrete walkway through this area, connecting plazas on north side of pods.	400	SF	25.5	\$3,060	\$13,260
CFN	FA	Adjacent to classroom pod C, the playground is not accessible from the plaza at Room 16. Add an accessible ramp for direct access.	120	SF	32.4	\$1,166	\$5,054
		The playground asphalt paving is cracking, with many trip hazards.					
CFN	FA	Grind, regrade, and repave the entire playground.	10,200	SF	6.5	\$19,829	\$85,925
		There is no trash enclosure at this site.					
CFN	FA	Install a two-bin trash enclosure to meet Health Department standards.	1	LS	16,200.0	\$4,860	\$21,060
CFN	FA	The bike enclosure fence is made of wood and has been damaged by fire. Remove damaged fence and replace with new chain link fencing and gate.	160	LF	64.8	\$3,110	\$13,478
CFN	FA	Parking lot lighting is provided by two pole-mounted "shoebox" luminaires. As noted by staff, light levels are low at night. Add two pole-mounted luminaires to match existing in the parking lot; add three in the area between the parking lot and the daycare facility.	5	EA	19,500.0	\$29,250	\$126,750
		Inadequate exterior lighting levels at egress pathways					
CFN	FA	Remove existing outdated fixtures and install forty-five new LED lamps.	45	EA	594.0	\$8,019	\$34,749

CATEGORY	SOURCE	DESCRIPTION (Deficiency/Remedy)	ESTIMATED TAKE OFF		COST/ UNIT	30% Soft Cost Allowance	TOTAL COST
Ö	0,		Qty.	Unit			
		Exterior building lighting is provided by wall-packs and surface-mounted downlights at covered walk ways, with no exterior emergency lighting.					
CFN	FA	Replace exterior wall pack fixtures and downlights at covered walkways.	50	EA	594.0	\$8,910	\$34,749
		Add exterior battery-pack fixtures for minimum code coverage.					
EDNI	EMD.	The campus is only partially fenced with open access along Packet Landing Road.	404		142.5	\$7,873	\$34,116
EPN	FMP	Extend and improve perimeter fencing and gates utilizing ornamental fencing along school frontage	184	LF			
EDNI	FMP	Poor play field conditions and configuration preclude use for physical education instruction.	1	LS	0.500.000.0	Ф 7 50,000	\$3,250,000
EPN		Provide new track, field, and playground pavement with basketball equipment.		LS	_S 2,500,000.0	\$750,000	
		The kindergarten play yard sandbox presents issues with hygiene and spilled sand.			LS 60,000.0		
EPN	FMP	Remove sandbox and replace with above-ground tactile play equipment.	1	LS		\$18,000	\$78,000
		The kindergarten play yard lacks a storage facility.					
EPN	FMP	Provide outdoor storage building.	1	EA	8,500.0	\$2,550	\$11,050
		Campus lacks outdoor learning and gathering areas.					
EPN	FMP	Provide outdoor learning spaces and outdoor amphitheater.	6,400	SF	SF 50.0	\$96,000	\$416,000

CATEGORY	SOURCE	DESCRIPTION (Deficiency/Remedy)	ESTIMA TAKE	OFF	COST/ UNIT	30% Soft Cost Allowance	TOTAL COST		
Ö	<u> </u>		Qty.	Unit					
EPN	FMP	Traffic congestion is extreme during drop-off and pick-up; backed-up traffic makes it difficult for staff to enter and park. Reconfigure parking area to provide separate entrance for staff; isolate drop-off zone and provide visitor parking area.	36,443	SF	26.0	\$284,257	\$1,231,782		
		Remove ten portable buildings.							
FFN	FMP	Demolition, hauling, and minor hazardous material abatement.	10	EA	14,250.0	\$42,750	\$185,250		
-					Subtotal		\$7,023,457		
	BUILDING SCOPE TYPICAL CAMPUS WIDE								
CFN	FA	Exterior doors have reached the end of their service life. Replace all exterior doors with metal frames and FRP doors.	54	EA	4,752.0	\$76,982	\$333,590		
CFN	FA	Exterior windows with plexiglas glazing are beyond service life. Replace all windows with dual pane glass and aluminum framed windows.	5,500	SF	47.5	\$78,408	\$339,768		
CFN	FA	The acoustic ceiling tiles in the classrooms are water stained and damaged. Removed damaged tiles and replace with new ceiling tiles.	32,900	SF	6.4	\$62,921	\$272,659		
CFN	FA	Cement plaster and wood trim painted finishes are at the end of their service life Repaint entire campus.	45,400	SF	3.0	\$40,860	\$177,060		
CFN	FA	Corridor columns plaster finish is damaged at the corners of the columns. Repair stucco where damage is not likely to occur again; add corner guards at susceptible column corners.	1,152	SF	15.1	\$5,225	\$22,644		

CATEGORY	SOURCE	DESCRIPTION (Deficiency/Remedy)	ESTIMA TAKE		COST/ UNIT	30% Soft Cost Allowance	TOTAL COST
CFN	FA	Shuttered skylights: classroom and multi-purpose room shutters are not used due to problematic cable operators. Install "tubular skylight" day lighting, and convert existing skylights to passive ventilators.	20	EA	3,456.0	\$20,736	\$89,856
CFN	FA	Campus flooring has reached end of service life. Replace all flooring with resilient flooring and walk-off entry mats.	27,674	SF	8.9	\$73,474	\$318,389
CFN	FA	Interior painting and wall covering are at end of service life. Repaint all interiors.	45,000	SF	2.0	\$27,000	\$117,000
CFN	FA	At administration and pod buildings, precipitation collects at high points of ceilings. * Investigate insulation of joist space. If unvented, dew point may occur in winter, resulting in condensation and probable framing dry-rot.	34,900	SF	5.4	\$56,538	\$244,998
CFN	FA	No campus energy-management system Add campus-wide DDC control and create district standard for energy control systems.	27,674	SF	2.4	\$20,174	\$87,422
CFN	FA	Plumbing systems are in good condition and ADA-compliant, with sensor-flush toilets, newer classroom sinks with bubblers, although the ptrap protective coverings are missing. Replace p-trap protective covers.	. 1	LS	4,320.0	\$1,296	\$5,616

CATEGORY	SOURCE	DESCRIPTION (Deficiency/Remedy)	ESTIMATED TAKE OFF		COST/ UNIT	30% Soft Cost Allowance	TOTAL COST
CFN	FA	Pods A, B and C mechanical systems are in good condition with sensor- flush toilets, newer classroom sinks with bubblers, standard-efficiency gas-fired furnaces (Trane XR-80) with 7-day programmable thermostats. Add DX cooling coils and condensing units, mounted on-grade, for cooling. Clean duct systems and replace filters.	34,900	SF	1.4	\$14,135	\$61,250
CFN	FA	Pod F furnaces are older, RUUD units and are nearing the end of useful life. Replace furnaces with high-efficiency type and clean duct systems; At media menter, replace unit and add DX cooling and condensing units to counter computer heat loads.	9,680	SF	3.2	\$9,409	\$40,772
CFN	FA	Notifier NFS640 fire alarm control and expander panels: some areas, i.e., kindergarten toilets, do not have required strobes. Add fire alarm strobe devices.	4	EA	513.0	\$616	\$2,668
CFN	FA	In some areas, i.e., media center, classrooms and offices, plastic floor thresholds are used to cover data cables to tables and work stations. Add data outlets to eliminate use of thresholds.	30	EA	486.0	\$4,374	\$18,954
CFN	FA	Rauland bell/clock/speaker system is a recent upgrade. Panel problems require frequent reprogramming. All-call function is not working properly. Exterior speakers not working or have unclear transmission. Replace Rauland system with district-standard VOIP system.	1	LS	21,600.0	\$6,480	\$28,080

CATEGORY	SOURCE	DESCRIPTION (Deficiency/Remedy)	ESTIMATED TAKE OFF		COST/ UNIT	30% Soft Cost Allowance	TOTAL COST
CFN	FA	Existing fluorescent fixtures appear to have T8 lamps and magnetic ballasts. Replace with energy efficient T5 lamps and electronic ballasts throughout.	27,674	SF	18.0	\$149,440	\$647,572
CFN	FA	Some occupancy sensors were observed, but local room switches are typical at classroom and office lighting controls. Replace toggle switches with ultrasonic/infrared room occupancy sensors.	27,674	SF	0.4	\$3,138	\$13,599
CFN	FA	Three exit signs have broken lenses and six exits are without proper signage. Replace broken lenses Install additional exit signs	3	EA EA	513.0	\$923	\$4,001
CFN	FA	In some areas, i.e., media center, classrooms and offices, plastic surface raceway is broken and hanging loose from walls, with data and power cables exposed. Install adequate power and data distribution and remove raceways.	100	LF	21.6	\$648	\$2,808
CFN	FA	Inadequate power distribution for receptacles at data system as noted above For added receptacles noted above, install new panel board (42-pole, 100 amp, 120/208 volt, 3-phase with transient voltage surge Suppression) and new feeders from switchboard.	2	EA	4,860.0	\$2,916	\$12,636

CATEGORY	SOURCE	DESCRIPTION (Deficiency/Remedy)	ESTIMATED TAKE OFF		COST/ UNIT	30% Soft Cost Allowance	TOTAL COST
CFN	FA	Add data distribution equipment, including fiber optic panels, patch panels, switches and wireless data transmitters, to accommodate new data outlets note above. Add data distribution equipment to activate all data outlets.	Qty. 27,674	Unit	2.5	\$20,756	\$89,941
CFN	FA	Visible signs of moisture at administration area interior. Repair all water-damaged framing, patch and paint.	1	LS	32,400.0	\$9,720	\$42,120
		01.4000.0010			Subtotal		\$2,973,402
I		CLASSROOMS	T T				
CFN	FA	Classroom pod A: drinking fountain on north side of classroom 3 is nonaccessible.	1	EA	3,240.0	\$972	\$4,212
		Replace with an accessible drinking fountain.					
CFN	FA	Classroom pod C: the playground is not accessible from the plaza at Room 16. Add accessible ramp for direct access.	120	SF	32.4	\$1,166	\$5,054
CFN	FA	In the kindergarten classrooms, tamper-proof receptacles have not been provided. Replace with tamper-proof receptacles.	30	EA	513.0	\$4,617	\$20,007
EPN	FMP	Limited wireless data infrastructure and projection technology at classrooms Provide projection technology and wireless infrastructure to support mobile technology at all classrooms.	32	EA	10,000.0	\$96,000	\$416,000

CATEGORY	SOURCE	DESCRIPTION (Deficiency/Remedy)	ESTIMATED TAKE OFF		COST/ UNIT	30% Soft Cost Allowance	TOTAL COST		
Ö	0,		Qty.	Unit					
EPN	FMP	Campus lacks dedicated science and art instruction spaces. Reconfigure existing library/media center to accommodate two "wet and dirty" classrooms dedicated to art and science instruction.	4,844	SF	200.0	\$290,640	\$1,259,440		
FFN	FMP	New classrooms are required in order to replace existing portable classrooms and accommodate anticipated growth of student body. Construct two new, six-classroom buildings with covered walkways linking them to the central campus buildings.	14,650	SF	370.0	\$1,626,150	\$7,046,650		
					Subtotal		\$8,751,363		
		RESTROOMS							
CFN	FA	Mechanical and plumbing systems are in good condition and working order. Plumbing fixtures are ADA compliant with waterless urinals and sensor activated faucets. Replace waterless urinals with ultra low flow 0.125gpf; replace air conditioning filters and clean existing duct system.	1	LS	2,700.0	\$810	\$3,510		
CFN	FA	Classroom pods: staff toilet rooms require sanitary cove base per health code requirements. Remove probable VAT flooring at toilets and commons space. Replace with ceramic tile floors at toilets, and resilient flooring or carpet elsewhere.	2,800	SF	15.0	\$12,600	\$54,600		
Subtotal									
MULTI-PURPOSE BUILDING									
EPN	FMP	Lack of outdoor eating facility Provide shade structure and defined outdoor eating area, adjacent to Multi-purpose building.	1	EA	110,000.0	\$33,000	\$143,000		

CATEGORY	SOURCE	DESCRIPTION (Deficiency/Remedy)	ESTIMATED TAKE OFF		COST/ UNIT	30% Soft Cost Allowance	TOTAL COST			
Ö	0,		Qty.	Unit						
FFN	FMP	Multi-purpose room is undersized for all functions, lacks dedicated music classroom and adequate storage.								
		Demolish existing multi-purpose building and construct new, adequately- sized multi-purpose building with stage, music classroom, kitchen, toilet rooms, and storage rooms.	9,010	SF	550.0	\$1,486,650	\$6,442,150			
			,		Subtotal		\$6,585,150			
		ADMINISTRATION								
FFN	FMP	Administration building is undersized, suffers from dry-rot issues and is proposed for reconfiguration as new library/media center. Construct new one-story administration building with reception, offices, meeting rooms, health office, parent teacher association space, staff lounge, work room, toilet rooms and storage.	7,515	SF	420.0	\$946,890	\$4,103,190			
					Subtotal		\$4,103,190			
LIBRARY/MEDIA CENTER										
CFN	FA	Library/media center is undersized and poorly configured. Modernize and repair existing administration building and configure as new library/media center.	3,992	SF	200.0	\$239,520	\$1,037,920			
					Subtotal		\$1,037,920			
				TOT	AL COSTS		\$30,532,593			