SUMMARY OF SCHOOL CAMPUS

Address: 210 Central Ave, Alameda, CA 94501

• Principals - Phone No.: Jonathan Osler; Tracy Allegrotto - (510) 748 4023

• **Year Built:** 1950 & 1991

• **Site Area:** 21.9 acres

• Building Area: 134,440 sf

• **8 Portables & 1 Modular:** 9,480 sf:

FACILITY DESCRIPTION

Originally built in 1950 and 1953, this campus currently serves 1,100 students in 60 classrooms, Media Center/Library, Gymnasium/Locker Rooms, Multi-Use/Cafeteria/Kitchen, Band/Music Room, (2) vocational shops, Swim Center, and the Alameda Community Learning Center charter school. The campus site and buildings were extensively modernized in 1991, when Building 200 received interior reconfiguration, seismic upgrade, and utility upgrade. Wings 300 and 400 had south facing windows and HVAC units replaced and building 400W received extensive reconstruction and was renamed the Business Wing. New construction in 1991 added the Administration and Science Buildings, an accessible elevator tower, and the Library/ Media Center.

In 2001, bond funds provided further improvements campus wide including seismic upgrades, restroom upgrades, some new interior finishes, and site accessibility upgrades. In 2009, Measure "C" funds added Fire Alarm upgrades, HVAC repairs campus wide, and extensive building reconstruction of the Gymnasium, which included complete roofing replacement, exterior accessible ramps, interior painting, and girls' locker and staff restroom upgrades. In 2005 the Alameda Community Learning Center (ACLC) installed (5) portable classrooms.

KEY ASSESSMENT ITEMS

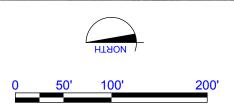
- South Facing windows leak and at end of service life
- Roofing (except Gym) at end of service life
- Exterior doors, windows and finishes at end of service life

- Un-even settlement of exterior pavement areas and deterioration
- Toilet Room tile damage and FRP vandalism
- Lockers at end of service life
- Excessive moisture at slab on grade floors
- Cement plaster delamination and water damage at Elevator Tower
- Moisture damage at Media Center Conference Room/ Entry
- Sewer line leakage at plumbing wall of Business Wing
- Heating and plumbing fixtures at end of service life
- Fire area lacks coverage and requires added fire sprinklers
- Acoustic tile delaminating at Gym ceilings
- Tri-High portable buildings at end of service life
- Non-accessible sink and entry door at Ceramics classroom
- Non-compliant aluminum and concrete doorway ramps at Classrooms
- Non-compliant toilet room at Cafeteria Kitchen and Health code violations
- Corrosion and paint deterioration at exterior metal rails, light fixtures and fencing
- Inadequate parking area lighting levels
- Inefficient lighting and data systems



ENCINAL HS 4/30/2012

Alameda USD Facilities Assessment





CLASSROOM BUILDING

ADMINISTRATION

MULTI-PURPOSE / CAFETERIA BUILDING

MODULAR BUILDING

PORTABLE BUILDING

COVERED WALKWAYS

CIVIL KEYNOTES, TYP.

SEE ASSESSMENT SPREADSHEET FOR

Facility Assessment Spreadsheet

	CA	TEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATED Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COST
1)	Civil							\$1,694,530
A)	<u>Ex</u>	isting Site Conditions						
	i)	ACCESS						
	1	Existing Deficiency	ADA signage out of date.	1C				
		Recommended Remedy	Add "\$250 fine" signs at all locations.		2	EA	\$500.00	\$1,000
	2	Existing Deficiency	With the path of travel at the hend end of these stalls, the ADA stalls are three feet too short.	2C				
		Recommended Remedy	Remove AC dike along the frontage of the three stalls. Pave a 4 ft extension of the asphalt into the adjoining planting area, and reinstall an AC dike. Relocate the wheelstops, and refresh the striping. Relocate the ADA stall parking signs to behind the new AC dike. remove ADA parking lot entry sign currently located at these stalls.		200	SF	\$6.00	\$1,200
	3	Existing Deficiency	There is no accessible parking in this portion of the site.	3C				
		Recommended Remedy	Use a combination of grinding and overlay to create a single ADA stall with an adjoining 8 ft unloading zone at the northeast side of this area.		360	SF	\$6.00	\$2,160
	4	Existing Deficiency	The landings (concrete flatwork) at the bottom of the various main entry stairs are not level as required by code.	4C				
		Recommended Remedy	Making these compliant requires removal and replacement of concrete flatwork at the bottom of the stairs, out to the curb. It appears also necessary to remove curb and replace it with a higher curb, so that the new flatwork could be placed at 2% max cross slope.		400	sf	\$20.00	\$8,000

Facility Assessment Spreadsheet

CA	TEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATED Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COST
5	Existing Deficiency	The approach to these main doors far exceeds 2% slope.	5C				
	Recommended Remedy	Repair of this deficiency complicated by the steep walk slopes continuing down a from doors, to adjoining ramp leading to the parking lot. Removing the existing walk flatwork and repouring at 2% max adjoining the doors, will leave the new walk surface higher than the upper end of the ramp. This ramp appears to be about 30 ft long currently, but has a slope of only 5.2%. Any effort to lengthen the ramp will require complete removal of the existing ramp and railings; construct a new ramp at 8.33% max with an intermediate landing, and new railings, as required to successfully complete the transition to the		240	SF	\$35.00	\$8,400
6	Existing Deficiency	A total of 14 room entry doors in these two wings have 1" to 1 1/2" thresholds that transition from the finshed floor to the adjoining covered walk with short concrete transitions. There are no level landings at the doors.	6C				
	Recommended Remedy	Remove an approximately 10'x10' area of existing flatwork at each door, and repour to form a level landing at the finished floor height, out 5 ft, then transitioning to adjoining flatwork at 5% max. Maintain 4 ft minimum clear between end of transition to covered walkwalk columns. If 4 ft min clear cannot be maintained at certain locations, provide transition parallel to building wall.		1,400	SF	\$16.00	\$22,400
7	Existing Deficiency	Cross slope along POT across circulation aisle exceeds 2%.	7C				
	Recommended Remedy	Remove 10 ft strip of pavement centered on cross walk, and repave to create 2% max cross slope in crosswalk. Transition to existing grades both directions.		280	SF	\$10.00	\$2,800
8	Existing Deficiency	Landing at bottom of stairs has 6% slope	8C				
	Recommended Remedy	Remove concrete landing and 5 ft of adjoining asphalt. Replace landing at 2% max slope. Repave to conform at 5% max slope.		100	SF	\$22.00	\$2,200

Facility Assessment Spreadsheet

CA	TEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATED Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COST
9	Existing Deficiency	Lower ramp has offset joints and 10.9% longitudinal slope.	9C				
	Recommended Remedy	Remove concrete on lower ramp, intermediate landing, and upper walk. Reconstruct lower ramp at 8.33% max slope, landing at 2% max, and convert upper walk to ramp with 8.33% max slope. Add handrails.		400	SF	\$22.00	\$8,800
10	Existing Deficiency	Threshold at double entry doors is 1" high, and landing slope exceeds 2%.	10C				
	Recommended Remedy	Remove approximately 15 ft of existing flatwork at door. Reconstruct with level landing and 5% max slope to conform.		90	SF	\$35.00	\$3,150
11	Existing Deficiency	Walk along building has 3.5% cross slope.	11C				
	Recommended Remedy	Remove walk, and reconstruct at 2% max cross slope.		1,200	SF	\$17.00	\$20,400
12	Existing Deficiency	Cross slope of walk along building has 3.2% cross slope.	12C				
	Recommended Remedy	Remove walk and reconstruct at 2% max cross slope.		800	SF	\$17.00	\$13,600
13	Existing Deficiency	The cross slope of this walk along the building is 4.4%	13C				
	Recommended Remedy	Remove walkway, and reconstruct at 2% max cross slope.		800	SF	\$17.00	\$13,600
14	Existing Deficiency	Approximately 3/4" thresholds at these (14) classrooms.	14C				
	Recommended Remedy	Remove approximately 10ft x 15 ft section of flatwork at each door, and reconstruct to create level landings at doors with transitions back to grade in both directions along building, and perpendicular to building.		2,100	SF	\$22.00	\$46,200
15	Existing Deficiency	No ADA access to these outdoor seating areas.	15C				
	Recommended Remedy	Add pedestrian ramps at each location.		600	SF	\$20.00	\$12,000
16	Existing Deficiency	Ramp to double doors has slope of 8.9%.	16C				
	Recommended Remedy	Remove ramp flatwork; reconstruct/lengthen for 8.33% max slope.		150	SF	\$20.00	\$3,000
17	Existing Deficiency	6% landings at these two doors.	17C				
	Recommended Remedy	Remove 6 ft band of concrete at and between doors along building. Replace with level landing at both doors, and transition down to existing grade at 5% max along building to center conform.		200	SF	\$20.00	\$4,000

Facility Assessment Spreadsheet

CA	TEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATED Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COST
18	Existing Deficiency	Landing at bottom of stairs not level.	18C				
	Recommended Remedy	Remove existing asphalt landing, and replace with 2% max landing for 5 ft, then transition at 5% max to match existing.		40	SF	\$35.00	\$1,400
19	Existing Deficiency	Pavement cross slopes in this plaza area generally exceed 2% in all directions	19C				
	Recommended Remedy	Possible solution would be to remove and replace outter 5 ft band of concrete walk to make a pathway with 2% max cross slope to access most areas in the plaza.		550	SF	\$22.00	\$12,100
20	Existing Deficiency	Slope on ramp to class room greatly exceeds 8.33%	20C				
	Recommended Remedy	Remove existing ramp, and replace with longer ramp and handrails.		150	SF	\$22.00	\$3,300
21	Existing Deficiency	Upper ramp at this location is 9.7%; lower ramp is 7.7%.	21C				
	Recommended Remedy	Remove ramp, and rebuild with 8.33% max slopes.		300	SF	\$17.00	\$5,100
22	Existing Deficiency	Student/Staff Parking: Pavement is deteriorating.	22C				
	Recommended Remedy	Fill cracks, seal coat, restripe.		28,000	SF	\$0.75	\$21,000
23	Existing Deficiency	Visitor & Gym Area Parking: Pavement deteriorated.	23C				
	Recommended Remedy	Fill cracks, edge grind, pavement fabric, minimum 1.5" asphalt overlay, and restripe.		56,400	SF	\$4.80	\$270,720
24	Existing Deficiency	Fire Lane: Pavement failed.	24C				
	Recommended Remedy	Grind existing pavement structural section, and reuse at aggregate base. Repave with 3" minimum asphalt.		17,000	SF	\$5.60	\$95,200
25	Existing Deficiency	Most internal courtyards in main campus are exposed aggregate paving, and have numerous instances of vertically offset joints.	25C				
	Recommended Remedy	Grind to eliminate vertical offset joints where they occur.		2,000	SF	\$3.00	\$6,000

Facility Assessment Spreadsheet

	CA ⁻	TEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATED Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COST
	26	Existing Deficiency	There is no designated ADA student drop off at this campus.					
		Recommended Remedy	The parking lot layouts along the front of the campus do not lend themselves to the addition of an ADA drop off zone without the loss of at least 5 parking stalls. The most logical location would be the southeast end of the east parking lot, where the ADA stalls could be shifted to the west, and the ADA drop off could be added between there and the east end of the lot		1	LS	\$4,500.00	\$4,500
ii)		FIRE/LIFE SAFETY/HAZ MAT						
	1	Existing Deficiency	No fire hydrants on south side of campus.	26C				
		Recommended Remedy	Install private fire service and two hydrants, one at southeast, and one at southwest ends of play courts.		2	EA	\$9,000.00	\$18,000
	2	Existing Deficiency	The interconnected nature of the buildings will likely result in a large fire area, and correspondingly high required fire flows, which the surrounding hydrants may not be able to meet.					
		Recommended Remedy	Consider adding fire sprinklers to existing buildings to reduce required fire flow.		105,000	SF	\$9.40	\$987,000
iii)		UTILITIES						
	1	Existing Deficiency	This area appears to be a localize depression where water ponds, causing pavement to deteriorate.	27C				
		Recommended Remedy	Extend storm drain inlet to low area from nearby 18" storm drain main.		1	LS	\$3,500.00	\$3,500
	2	Existing Deficiency	Courtyard Tree Wells: roots are heaving concrete paving	#58				
		Recommended Remedy	Prune trees and Install root barrier		17	EA	\$1,000.00	\$17,000
	3	Existing Deficiency	Courtyard Paving: No site drainage inlets at courtyards between Wings	#61				. ,
		Recommended Remedy	Add Site drainage; requires system survey for added tributary area increase	Allow	640	LF	\$120.00	\$76,800

Facility Assessment Spreadsheet

	C	CATEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATED Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COST
2)	Arch	itectural						\$5,345,070
A)	EXT	ERIOR						
	i)	ACCESS						
		1 Existing Deficiency	Parking Lots: asphalt pavement deteriorated and cracking. Playground: asphalt cracking and deteriorating.	#1,2,3,4,7 & 8				
		Recommended Remedy	Included In CIVIL Items # 22. 23 & 24					
		2 Existing Deficiency	Wing 700: per current Code equal circulation egress is required	#5				
		Recommended Remedy	Add Accessible ramp with stair at North end		400	SF	\$20.00	\$8,000
		3 Existing Deficiency	ACLC Portables: asphalt accessible walkway is non compliant	#5,8 & 11			·	• ,
		Recommended Remedy	Replace with concrete walkway and landing pads		1	LS	\$5,000.00	\$5,000
		4 Existing Deficiency	Science Wing Ramp; exceeds 2% cross-slope. Walkway appears to be subsiding	#9, #12				
		Recommended Remedy	geotechnical report at this location required; Remove pavement, install sub-surface drainage at retaining wall, regrade, and re-pave		1	ls	\$35,000.00	\$35,000
		5 Existing Deficiency	Pool Deck; 1 D.I. exceeds 2% cross-slope; trip hazards at drains	#59, #62				
		Recommended Remedy	Demo/ replace concrete & DI to not exceed 2% crossslope		1,400	sf	\$22.00	\$30,800
	ii)	DEFERRED MAINTENANCE						
		1 Existing Deficiency	Admin. Bldg: south facing window/ fascia leaks; ceiling tiles damaged and loose. Repair stucco holes and repaint east Entry wall	#10, #13, #14				
		Recommended Remedy	Redesign detailing and replace all windows; replace loose and damaged tiles		1,800	SF	\$45.00	\$81,000
		2 Existing Deficiency	Wing 100/200: south facing windows leak at head jambs & sill.	#17, #18				
		Recommended Remedy	Redesign detailing and replace all windows; replace loose and damaged tiles		600	SF	\$45.00	\$27,000

Facility Assessment Spreadsheet

CA	TEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATED Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COST
3	Existing Deficiency	Elevator Tower: south wall cement plaster is delaminating from CMU	#15, #19,				
		wall; excessive moisture penetration through block wall	#20				
	Recommended Remedy	Investigate const. details and specifications for recommendation.					
		Complete removal is probable. (Allow Repairs to finishes and new	Allow	400	SF	\$15.00	\$6,000
	E tata Baffata a	Elastomeric Coating on CMU)	#27 #20				
4	Existing Deficiency	Wing 100/200: North Facing Windows: are single pane w/steel fame & putty. Wings 300, 400, and Business are wood sash with putty. All are	#27, #28				
		close to end of service life.					
	December ded Demode			40.000	65	400.00	4576.000
_	Recommended Remedy	Replace all windows in Wing 300-400 with Alum., dual glass units	W4.C W2.4	18,000	SF	\$32.00	\$576,000
5	Existing Deficiency	Wing 300/400 Classrooms: Pemko exit ramps at outward opening doors are no longer ADA compliant (See Civil item #14)	#16, #21				
	Recommended Remedy	Replace with new concrete landing. (Cost in Civil)		14	EA	\$1,200.00	\$16,800
6	Existing Deficiency	Corridor Toilets (Media & Bus. Wing): Sewer ine leaking in plumbing	#29				
		wall.					
	Recommended Remedy	Open up wall, replace all piping and install inew fixtures, tile wall, and		10	EA	\$3,500.00	\$35,000
		partitions.					
7	Existing Deficiency	ACLC Portables : wood foundation subject to dry rot from downspouts	#22, #23				
		discharge					
	Recommended Remedy	Replace with concrete foundations/ ramps; add site drainage and new	Allow	320	LF	\$45.00	\$14,400
	5 5	RWLs	"24 "25				
8	Existing Deficiency	Tri-High Portables : wood panel and trim deterioration; foundation dry rot from downspout discharge	#24, #25, #30, #37				
		Tot from downspout discharge	#30, #37				
	Recommended Remedy	Add concrete foundation and ramp; add site drainage and RWLs.		6,144	SF	\$120.00	\$737,280
_	E tata Baffata a	Replace these portables with new Modulars	W2C W2C	- '		,	
9	Existing Deficiency	ROTC Portable: bumper damage at wall; downsout discharge on wood foundation	#26, #38				
	Recommended Remedy	Add wheel stops and stall stripping; Add concrete foundation and				440,000,00	440.000
		ramp, with site drainageand new RWLs. Replace wall with cement		1	LS	\$18,000.00	\$18,000
		board panel/trim and repaint.					

Facility Assessment Spreadsheet

CA	TEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATED Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COST
10	Existing Deficiency	PC 510 Modular: board and batt siding/ trim and door deteriorating.	#31, #39, #40				
	Recommended Remedy	Replace exterior wood with cement board paneling/ trim and metal door and jamb.		1	LS	\$4,000.00	\$4,000
11	Existing Deficiency	Roof : BUR roofing at end of service life, except Gym					
	Recommended Remedy	Replace all roofing, scuppers, drains, caps and flashings		117,000	SF	\$9.00	\$1,053,000
12	Existing Deficiency	All Bldg. Exteriors: painted finish is deteriorated					
	Recommended Remedy	Reseal and repaint all exterior walls, trims fascia, etc.		117,000	SF	\$1.00	\$117,000
	Existing Deficiency	Exterior doors: have reached end of service life		60	ГΛ	¢4.400.00	¢264 000
	Recommended Remedy Existing Deficiency	Replace all ext. doors with metal frame and FRP door Exterior Windows: have reached end of service life		60	EA	\$4,400.00	\$264,000
14	Recommended Remedy	Replace all remaining windows not listed in items #1,2, & 4 (Science, Gym/Lockers, Auto Shop, Wings 600 & 700)		10,000	SF	\$44.00	\$440,000
15	Existing Deficiency	No Trash Enclosure at this Site					
	Recommended Remedy	Install a 2-Bin Trash Enclosure per Health Dept. standards		1	LS	\$15,000.00	\$15,000
16	Existing Deficiency	Pool Bldg : Doors windows paint have reached end of service life	#60, #63				
	Recommended Remedy	Replace all doors w/ galv. frames and FRP doors; replace w/ alum frame dual glass windows; total repaint exterior		4	EA	\$5,000.00	\$20,000
17	Existing Deficiency	Pool Bldg: Facsia and roofing are at end of service life	#65, #66				
	Recommended Remedy	Replace with cement board fascia/soffit trim, and 30-BUR roofing w/cool-roof coating		290	LF	\$16.00	\$4,640
18	Existing Deficiency	Pool Deck : Pool fencing & deck lighting are rusted and end of service life; bleachers are not code compliant	#64, #67				
	Recommended Remedy	Replace with galv. polycoat posts, mesh, and accessories; Replace pole light with all new fixtures and PVC conduit/boxes; rebuild bleachers with polyvinyl seating and new polycoat railing all around.		280	LF	\$45.00	\$12,600

Facility Assessment Spreadsheet

CA	TEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATED Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COS
ΓER	IOR		•	8			
	GENERAL & MAINTENANCE						
1	Existing Deficiency	Wing 100/200 Student Toilets: Sinks missing drainline padded boot; no accessible soap dispenser (40" AFF)	#32				
	Recommended Remedy	Install padded boots, reset 1 soap dispenser, repair tiles and install corner guard.		4	EA	\$1,200.00	\$4,800
2	Existing Deficiency	Wing 100/200 Student Toilets: FRP panels damaged, discolored; damaged tiles	#33, #47				
	Recommended Remedy	Replace with full wall tile		600	SF	\$10.00	\$6,000
3	Existing Deficiency	Wing 100/200: 2nd Fl. Staff Toilet sink is non compliant.	#48				
	Recommended Remedy	Relocate sink at 24" to centerline from wall.		1	EA	\$4,000.00	\$4,000
4	Existing Deficiency	Media Center: south facing windows and roof leaks	#34, #49			. ,	. ,
	Recommended Remedy	Replace all ceiling tile with new		5,800	SF	\$7.00	\$40,600
5	Existing Deficiency	Gym Locker Rms: Staff toilet sink not compliant	#71	5,555		71100	7 10,000
	Recommended Remedy	Reconfigure Staff toilet Rm.		130	SF	\$75.00	\$9,750
6	Existing Deficiency	Boys Locker Rm; many locker hasps are broken	#72				. ,
	Recommended Remedy	Replace with District standard 'Pemco' Gym Lockers (include girls)		420	EA	\$650.00	\$273,000
7	Existing Deficiency	Gym Stage: no accessible lift	#36				
	Recommended Remedy	Reconfigure for installed lift		1	LS	\$25,000.00	\$25,000
8	Existing Deficiency	Gym Bleachers: wood seats are splintering	#54			7=0/000000	7-3/555
	Recommended Remedy	Replace with new metal or polyvinyl (Like American Eagle)	Allow	500	Seats	\$75.00	\$37,500
9	Existing Deficiency	Gym Stage: security and back drop curtains at end of service life; back	#36			,	, - ,
		stage door has to stair/access					
	Recommended Remedy	Install new flex-metal security screen and fire-retardant back curtains.		1	ls	\$35,000.00	\$35,000
		Replace all curtain and lighting rigging.		1	15	\$35,000.00	\$35,000
10	Existing Deficiency	Gym 'Crows Nest' : lighting & sound control wiring/ equipment no longer works	#36				
	Recommended Remedy	Replace conduit/ wiring, and new lighting/ sound controls for stage productions		1	ls	\$75,000.00	\$75,000

Facility Assessment Spreadsheet

CA ⁻	TEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATED Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COST
11	Existing Deficiency	Gym Ceiling Tile: tiles are delaminating	#41, #55				
	Recommended Remedy	Replace all ceiling tiles		10,800	SF	\$3.00	\$32,400
12	Existing Deficiency	Wing 600 - Ceramics Rm: non accessible sink, and non-compliant door clearance	#42, #43				
	Recommended Remedy	Relocate water heater; replace sink and re-plumb for ADA knee clearance; Reverse door swing and reconfigure wall for ADA clearance		1	LS	\$5,500.00	\$5,500
13	Existing Deficiency	Wing 600 - Home Econ: non-compliant headroom clearance at Exhaust hood	#44				
	Recommended Remedy	Remove Exhaust hood, patch/ repaint		1	EA	\$1,500.00	\$1,500
	Existing Deficiency	Wing 700 - Cafeteria: Staff toilet room is non Accessible Kitchen: flooring wall and cove base doesn't meet Health code	#45, #56, #57			, ,	, ,
	Recommended Remedy	Reconfigure toilet layout; remodel electrical wall and replace flooring/base with epoxy		200	SF	\$75.00	\$15,000
15	Existing Deficiency	Gym - ROTC Basement: Floor and ceiling deterioration	#51, #53				
	Recommended Remedy	Investigate basement ceiling leaks; replace ceiling tiles and new vinyl floor covering		1,200	SF	\$8.00	\$9,600
16	Existing Deficiency	Wing 400 Boys Toilet: non accessible sink	#52				
	Recommended Remedy	Replace with compliant sinks, and soap dispenser		1	EA	\$2,400.00	\$2,400
17	Existing Deficiency	All slab on grade (SOG) concrete floors: excessive moisture impedes flooring bond	NA				
	Recommended Remedy	Prior to new flooring, strip/etch concrete, and apply vapor barrier		117,000	sf	\$5.00	\$585,000
18	Existing Deficiency	Classroom/ Corridor flooring: at end of service life	NA				
	Recommended Remedy	Replace all flooring with resilient flooring, and walk-off Entry carpet mat.		58,000	SF	\$5.00	\$290,000
19	Existing Deficiency	All Corridors/ Hallways/ and Gym Walls: damaged and patched gyp. wall board (GWB)	NA				
	Recommended Remedy	Replace with 'Hi-Impact' GWB and 8-ft corner guards		117,000	SF	\$1.50	\$175,500

Facility Assessment Spreadsheet

	CA	TEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATED Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COST
_	20	Existing Deficiency	Interior Walls: paint/ wall covering at end of service life	NA				
		Recommended Remedy	Repaint all interiors		117,000	SF	\$1.00	\$117,000
	21	Existing Deficiency	Pool Bldg : wall paint, cabinets, lockers, and lighting at end of service	#68, #69,			7	¥ == : / 0 0 0
			life	#70				
		Recommended Remedy	replace cabinets, lockers, light fixtures, and repaint all interiors		3,200	SF	\$25.00	\$80,000
3)	Mecha	nical / Plumbing	, , , , , , , , , , , , , , , , , , ,		,		·	\$716,400
A)_	<u>Exter</u>	<u>ior</u>						
<u>Li</u>)	SITE SYSTEMS					_	
	1	Existing Systems	campus energy management system does not exist					
		Recommended Remedy	add campus wide ddc control and create district standard for energy		105,000	SF	\$2.00	\$210,000
			control systems		103,000	31	\$2.00	\$210,000
В)_	<u>Inter</u>							
Li		ACCESS			1		1	
	1	Existing Restrooms	most of the plumbing systems have been modernized and meet current ADA requirements.					
		Recommended Remedy	waterless urinals, (where occurs) maintenance is lacking, as many of					
			the cartridges are in need of replacing. This causes slow drainage and		18	EA	\$900.00	\$16,200
			odorous rooms. Replace all waterless urinals with ultra low flow		10	271	φ300.00	Ψ10, 2 00
Г	ii)	EXISTING SYSTEMS	urinals. 0.125 gnf.					
Ľ		Existing Deficiency- Admin	admin; wall convectors provide heating with hot water, they appear to				1	
		Existing Denoiciney Admini	be in good condition, but are old and inefficient with poor zone					
			control. District has requested cooling be added to building. No cooling					
			in Data IT room.					
		Recommended Remedy	replace all heating hot water sytems, completely with ductless split					
		,	heat pumps with heat recovery, i.e. Daikin VRV for lower levels, and		4.700	C.E.	ć12.00	ĆEC 400
			rooftop packacged ac for top floor. Add ductless split ac to all data/it		4,700	SF	\$12.00	\$56,400
			closets.					
	2	Existing Deficiency- Admin	Toilet rooms are non ada compliant with old high volume fixtures.					
		Recommended Remedy	replace plumbing fixtures to ada. 1.28 gpf Toilets, 0.125 gpf urinals,					
		• ,	0.5gpm faucets		400	SF	\$12.00	\$4,800

Facility Assessment Spreadsheet

CA	TEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATED Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COST
3	Existing Deficiency- 100 wing	100 wing: unit ventilators, McQuay, are in fair-good condition. Science labs have original vintage fixtures. Parker Boiler, 1993 and pumps are nearing end of design life. Water heater is showing signs of corrosion					
	Recommended Remedy	Upgrade science room fixtures, sinks, and faucets. Replace boiler systems with rooftop package ac units in all classrooms. Remove all piping boilers, pumps, completely throughout.		12,400	SF	\$5.50	\$68,200
4	Existing Deficiency-200 wing	200 wing; the radiant slab heating system has been abandon and replaced with unit ventilators by McQuay. Units are in fair-good condition, but inefficient and provide poor zone control w/o cooling. There is no heat in the corridors. Boiler is Parker, 1993 and is reaching the end of its useful life					
	Recommended Remedy	Replace boiler systems with rooftop package ac units in all classrooms. Remove all piping boilers, pumps, completely throughout.Increase ventilation in student restrooms.		32,000	SF	\$4.00	\$128,000
5	Existing Deficiency-200 wing	200 wing; Boys restrooms have waterless urinals, and sensor faucets. Both Restrooms are very odorous and fixtures show signs of heavy wear. 2nd Floor staff restrooms are not modernized and ADA compliant.					
	Recommended Remedy	Upgrade staff restrooms to meet ADA, by replacing toilets and lav's. Replace Boys & Girls plumbing fixtures to ADA, 1.28 gpf toilets, 0.125 gpf urinals, & 0.5gpm faucets		1,940	SF	\$120.00	\$232,800
6	Existing Deficiency-300 wing piping	300 wing; heating hot water pipes on rooftops are in good condition, but provides no cooling and zone control is poor. Roof EF's are in good condition. Staff Restrooms are new and meet ADA. Classrooms are heated by McQuay unit ventilators and are in good condition. No heat in hallways.					
	Recommended Remedy	Replace boiler systems with rooftop package ac units in all classrooms. Remove all piping boilers, pumps, completely throughout.		6	1 unit/2 classrms	\$20,000.00	\$120,000

Facility Assessment Spreadsheet

CA	TEGORY	DESCRIPTION		ESTIMATED Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COST
7	Existing Deficiency-400 wing boiler	400 wing boiler is Parker 1994 vintage and serves 300&400 wings. Pumps have had recent maintence, upper pump has been replaced. The boiler and related equipment is nearing the end of its useful life.					
	Recommended Remedy	Replace boiler systems with rooftop package ac units in all classrooms. Remove all piping boilers, pumps, completely throughout.		26,000	SF	\$5.00	\$130,000
8	Existing Deficiency-400 wing plumbing	400 wing; Student restrooms are vintage in and very poor condition.					
	Recommended Remedy	Restrooms require complete replacement. 1.28 gpf Toilets, 0.125 gpf urinals, 0.5gpm faucets		28,000	SF	\$4.00	\$112,000
9	Existing Deficiency-400 wing	Computer Classrooms: have ceiling suspended fan coils with rooftop condensing units for cooling. CU's appear to be nearing the end of design life, and refrigerant is likely CFC.					
	Recommended Remedy	replace fan coils and condensing units with high efficiency non-cfc based equipment.		3,000	SF	\$4.00	\$12,000
10	Existing Deficiency-500 wing	Industrial Arts: rooms are heating only, utilizing old, inefficient gas fired unit heaters. Equipment in this wing is past its useful life					
	Recommended Remedy	Replace systems with rooftop package ac units in all classrooms. Remove all piping boilers, pumps, completely throughout.		4	EA	\$2,000.00	\$8,000
11	Existing Deficiency-600 and 700 wing	600 Wing: heated with very old rooftop units that are noisy and inefficient. Ducts are exposed within spaces. Equipment in this wing is past its useful life.					
	Recommended Remedy	replace rooftop equipment with high efficiency, in kind. Clean duct systems and rebalance. Replace rooftop exhaust fans.		12,700	SF	\$3.00	\$38,100
12	Existing Deficiency-700 wing	Kitchen: beyond its useful life. Toilet rooms are newly modernized and meet current ADA.					
	Recommended Remedy	kitchen needs to be reassessed and repurposed for its current needs. Replace all equipment as needed, hoods, makeup air, exhaust systems, ansul, and plumbing systems entirely.		2,500	SF	\$65.00	\$162,500

Facility Assessment Spreadsheet

CATEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATED Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COST
10 Existing Deficiency-Media Center	Media Center: combination of wall convectors and unit ventilators that are in fair-good condition, but are inefficient and zone control is poor. Units are somewhat noisy for this space and water piping sounds as though there is air in the lines.					
Recommended Remedy	Replace boiler systems and wall convectors and uv's with rooftop package ac units . Remove all piping boilers, pumps, completely throughout.		8,800	SF	\$3.00	\$26,400
11 Existing Deficiency-Gym	Newer Trane rooftop units with gas heating, as the radiant system has been abandoned. Gyms have fabric ducts and appear to be in good condition. Restrooms have been modernized and are ADA compliant with sensor faucets and waterless urinals. RR's are odorous. Drinking fountains are hi/low ADA.					
Recommended Remedy	replace waterless urinals with ultra low flow urinals, 0.125 gpf, increase toilet room ventilation.		1,100	SF	\$6.25	\$6,875
12 Existing Deficiency-Locker Rm	original overhead ducting, rooms are odorous. Gang shower areas do not show signs of use and appear to have been abandoned. Staff toilet areas are not ADA, however student areas are with sensor faucets and waterless urinals. Domestic water heating system has Parker boiler, 1991 vintage with (3) 200 gallon uninsulated storage tanks. Currently only 1/3 tanks are being used because of lack of demand. Domestic HW is heated from boiler systems with heat exchangers and storage tanks. This is inefficient and non-compliant for missing tempering valves.					
Recommended Remedy	replace the (3) 200 gallon storage tanks with high efficiency gas fired water heaters and 200 gallon max storage. Increase ventilation in locker and toilet rooms. Clean duct work and rebalance. Analyze user needs for showers and replace or remove as required. Replace boiler, and pumps and insulate storage tanks. Determine use needs and resize as necessary. Add cost of hazmat abatement in boiler room.		4,850	SF	\$6.00	\$29,100

Facility Assessment Spreadsheet

	CA	TEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATED Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COST
4) Ele	ectric	cal		•	•			\$2,379,150
A) <u>G</u>	ene	<u>ral</u>						
i)		EXISTING SYSTEMS						
		Existing Systems	School Modernizations in 2001 & 2009 included upgrades to electrical s	ervice , tele	communicat	ion, cation,	clock, and fire	alarm systems.
			Building 200 main feeder recently repaired, underground feeder broken	, section du	ıg up and rep	aired.		
			Newer construction in Center have separate electrical service. 1991, Ad	min, Science	e, & Media Ce	enter have s	separate electri	cal service.
			Modular buildings have separate electrical service.					
B)	Ma	andatory						
i)		EXTERIOR LIGHTING						
		Existing Systems	Exterior building lighting provided by wallpacks and floodluights, surface	e square dro	opped lens at	covered w	alkways, pole n	nounted
			floodlights at swim center and fields.					
	1	Existing Deficiency	Inadequate parking lot lighting provided, both Street lots & rear					
			football field parking is dark as noted by staff.					
		Recommended Remedy	Add 16-ft pole mount luminaires w/ LED lamps		16	EA	\$16,000.00	\$256,000
	2	Existing Deficiency	Inadequate exterior lighting provided, walkways dark for back to		10	L/\	\$10,000.00	\$230,000
	_		school nights, as noted by staff.					
		Recommended Remedy			60	EA	\$650.00	\$39,000
			Add exterior walkway fixtures (includes walk between pool & Science)					
	3	Existing Deficiency	Inadequate exterior lighting provided at ticket booth at football field,					
			as noted by staff.					
		Recommended Remedy	Add exterior walkway fixtures		10	EA	\$650.00	\$6,500
		,	Add interior light fixture for ticket booth		1	EA	\$450.00	\$450
	4	Existing Deficiency					7 10 0100	7
			Inadequate exterior lighting provided at front of gym, as noted by staff.					
		Recommended Remedy	Add exterior wallpack fixtures		10	EA	\$650.00	\$6,500
	5	Existing Deficiency	Inadequate exterior lighting provided at swim center pathways to					
			parking lot, as noted by staff.					
		Recommended Remedy	Add exterior wallpack fixtures		10	EA	\$650.00	\$6,500
	6	Existing Deficiency	No exterior emergency lighting provided for emergency egress.			-	,	1 - /
		Recommended Remedy	Add exterior battery pack fixtures for minimum code coverage		50	EA	\$375.00	\$18,750

Facility Assessment Spreadsheet

		TEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATEI Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COST			
ii)		INTERIOR LIGHTING									
		Existing Systems	Existing suspended fluorescent fixtures in many classroom and office are	eas do not have seismic supports							
	1	Existing Deficiency	Suspended fixtures do not have seismic supports & cables to prevent								
			sideways shifting								
		Recommended Remedy	Add horizontal bracing and diagonal restraint wires per code		58,000	SF	\$1.55	\$89,900			
C)	Def	ferred Maintenance					, , ,	+ /			
i)		FIRE ALARM /DETECTION									
		Existing Systems	Siemens control and expander panels, strobes, detectors are recent syst	tem upgrade	es.						
	1	Existing Deficiency	Siemens panel is not preferred manufacturer Problems with false								
			alarms and trouble signals. Exterior sensors/ devices are corroded								
		Recommended Remedy	Replace fire alarm panel with district preferred manufacturer (Firelite).		1	EA	\$6,500.00	\$6,500			
							. ,	. ,			
	,	Eviatina Definionary	Replace exterior sensors and devices		60	EA	\$400.00	\$24,000			
	2	Existing Deficiency	ACLC Portables: these (5) buildings are not on main FAP								
		Recommended Remedy	Replace fire alarm panel with district preferred manufacturer (Firelite).								
		necesimienaea nemeay	Replace corroded sensors; add ACLC bldgs to FAP		1	EA	\$20,000.00	\$20,000			
			Provide conduit and cable to connect (5) ACLC portables to main panel		5	Portables	\$1,200.00	\$6,000			
ii)		TELEPHONE/DATA SYSTEM		<u> </u>		. 0.100.00	Ψ1,200.00	40,000			
ļ.:,		Existing Systems	Rack mounted telephone & data systems upgrade								
	1	Existing Deficiency	Existing telephone service is faulty and is not preferred manufacturer.								
		,									
								4			
		Recommended Remedy	Replace (E) system with District standard VOIP.		1	LS	\$150,000.00	\$150,000			
	2	Existing Deficiency	In some classrooms, plastic floor thresholds used to cover data cables								
			to tables and work stations.								
		Recommended Remedy	Add data outlets to eliminate use of thresholds		150	EA	\$350.00	\$52,500			
		·	Add vertical data poles		30	EA	\$15.00	\$450			
	3	Existing Deficiency	In typical classrooms, inadequate number of data outlets								
		Recommended Remedy	Provide additional data outlets (4 x 47 classrooms)		188	EA	\$350.00	¢6E 900			
		Recommended Remedy	Frovide additional data oditiets (4 x 47 classicollis)		199	EA	\$350.00	\$65,800			

Facility Assessment Spreadsheet

	CATEGORY		DESCRIPTION		ESTIMATED TAKE OFF Quantity Unit		COST / UNIT	TOTAL COST
	4	Existing Deficiency	Surface raceway in several locations has broken pieces, loose data cable.					
		Recommended Remedy	Replace broken raceway		500	LF	\$15.00	\$7,500
	5	Existing Deficiency	Add data distribution equipment, including fiber optic panels, patch					,
			panels, switches and wireless data transmitters, to accommodate new data outlets note above					
		Recommended Remedy	Add data distribution equipment to activate all data outlets		25	EA	\$1,600.00	\$40,000
iii)		BELL/CLOCK/SPEAKER SYSTEM	•				. ,	,
_		Existing Systems	Telphone based bell/clock/speaker system is recent upgrade					
	1	Existing Deficiency	Existing system is not preferred manufacturer Master clock system is telephone based and is not working properly, faulty clocks.					
iv)		Recommended Remedy SECURITY SYSTEM	Replace Rauland system with District standard VOIP.		105,000	SF	\$1.85	\$194,250
iv)		Existing Systems	Security system is provided by door contacts and motion sensors. Site I Learning Center.	nas four (4) s	separate syst	tems, Admir	n, Gym, Media	Center &
	1	Existing Deficiency	Consolidate all buildings on campus into single security system, with new panel in Administration					
		Recommended Remedy	Provide new security panel, devices and cables to replace existing system		117,000	SF	\$0.60	\$70,200
v)		INTERIOR LIGHTING						
	1	Existing Systems Existing Deficiency	Newer construction: Admin, Science, & Media Center : recessed HID do Buildings 200, 300, 400 fixtures have been upgraded (1991?) suspended Square high bay HID fixtures in gymnasium , 1x4 wraparound fluorescer Surface 2' square lensed fixtures in cafeteria with stage projection fixtu Swim Center has 6"x 4ft wraparound fluorescent fixtures. Except in newer construction, Admin, Science, & Media Center:	d direct indir nts in lockers	ect square t , 2x4 fluores	ube fluoreso scents in off	cents in classro ice, surface squ	oms, surface lare dropped
			Fixtures appear to be older, with T8 or T12 lamps and magnetic ballasts.					
		Recommended Remedy	Replace with energy efficient T5 lamp and electronic ballast Fixtures.	ALLOW	117,000	SF	\$1.45	\$169,650

Facility Assessment Spreadsheet

CA	ATEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATED Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COST
2	Existing Deficiency	Suspended fluorescent fixture observed hanging askew backstage.					
	Recommended Remedy	Replace fixture		1	EA	\$450.00	\$450
3	Existing Deficiency	Fixtures observed with broken or missing lenses.					
	Recommended Remedy	Replace lenses (included above)			EA	\$50.00	\$0
4	Existing Deficiency	Some occupancy sensors observed, local room switches are typical classroom and office lighting controls					
	Recommended Remedy	Replace toggle switches with ultrasonic/infrared room occupancy sensors		117,000	SF	\$0.35	\$40,950
5	Existing Deficiency	Square high bay HID fixtures in gymnasium, 1x4 wraparound fluorescents in lockers, 2x4 fluorescents in office, surface square dropped lens fixtures in hallways, projection lights at stage with suspended 2x4 fluorescent fixtures backstage.					
	Recommended Remedy	Add new lighting systems and lighting control systems at Gym/ Locker Rooms/ Stage.		1	LS	\$25,000.00	\$25,000
6	Existing Deficiency	Surface 2' square lensed fixtures in cafeteria with stage projection fixtures, surface 1x4 wraparound fluorescents in kitchen, recessed 2x4 fluorescents in teachers lunchroom.					
	Recommended Remedy	Add new lighting systems and lighting control systems at Cafeteria/ Kitchen/ rest of Wing 600 & 700, & Auto Shop Bldg		1	LS	\$25,000.00	\$25,000
vi)	EXIT SIGNS						
	Existing Systems	Exit signs and dual head battery packs observed Low level exit observe	d in backstag	ge area.			
1	Existing Deficiency	Fixtures observed with broken or missing lenses. Several exit signs are outdated and not furnished with battery backup, paper exit signs observed.					
	Recommended Remedy	Replace and add exit signs		50	EA	\$350.00	\$17,500
2	Existing Deficiency	Inadequate number of emergency egress fixtures were observed.				·	. ,
	Recommended Remedy	Add dual head battery packs at egress paths		50	EA	\$375.00	\$18,750

Facility Assessment Spreadsheet

С	ATEGORY	DESCRIPTION		ESTIMATED TAKE OFF Quantity Unit		COST / UNIT	TOTAL COST
vii)	POWER						
	1 Existing Deficiency	In some areas, ie, media center, classrooms, offices, plastic floor					
		thresholds used to cover power cables to tables and work stations.					
	Recommended Remedy	Add power outlets to eliminate use of thresholds		75	EA	\$3,505.00	\$262,875
		Add vertical power poles		30	EA	\$15.00	\$450
2	Existing Deficiency	In some areas, ie, media center, classrooms, offices, plastic surface					
		raceway is broken and hanging loose from walls, with data and power					
		cables exposed.					
	Recommended Remedy	Replace with alum raceways/ covers		500	LF	\$15.00	\$7,500
3	Existing Deficiency	In typical Bldg 200, 300, 400 classrooms, inadequate number of					
		receptacles, two per room were observed.					
	Recommended Remedy	Provide typical (6) power/data outlets at ea . (4 x 39 classrooms)		136	EA	\$350.00	\$47,600
	Existing Deficiency	In gym, inadequate quantity of receptacles, branch circuits faulty.		150	Ε/ (\$330.00	Ş47,000
	Recommended Remedy	Provide additonal receptacles		30	EA	\$350.00	\$10,500
4	Existing Deficiency	At football field, theft of copper wire for field lights has occurred 3					
		times.					
	Recommended Remedy	Install locking pullbox covers		12	EA	\$150.00	\$1,800
	Existing Deficiency	In some areas, devices are missing coverplates with data or power				·	. ,
		cables exposed.					
	Recommended Remedy	Donlara covernlates		35	EA	\$15.00	\$525
	Existing Deficiency	Replace coverplates Main SWB & Feeders: original equipment/ breakers are obsolete and		33	EA	\$15.00	<u> </u>
	Existing Deliciency	beyond service life; maxed out on power and lug space					
		beyond service life, maked out on power and lug space					
	Recommended Remedy	Replace in kind; include new UG conduit feeders, sub-panels to Wings					
		200, 300, 400, 600, 700 and Media Center. Increase Service load size	ALLOW	1	LS	\$490,000.00	\$490,000
		(assume 1200a)					
		Replace existing main switchboard with new 1200 amp, 277/480volt					
		utility service and main switchboard, including (5) transformers		1	LS	\$48,000.00	\$48,000
		(112.5kva, 480vprimary~208volt secondary)					
		Replace existing panelboards with new panelboards (42pole, 100amp,					
		120/208volt, 3phase, with Transient Voltage Surge Suppression) and		25	EA	\$3,920.00	\$98,000
		new feeder from switchboard					

Facility Assessment Spreadsheet

CATEGORY		DESCRIPTION	PHOTO & SITE PLAN	IESTIMATED TAKE OFF		COST / UNIT	TOTAL COST
7	Existing Deficiency	Gym - ROTC Basement Classrm: small transformer in closet under					
		stage					
	Recommended Remedy	Remove/ replace non-compliant transformer to exterior location		1	LS	\$25,000.00	\$25,000
8	Existing Deficiency	Inadequate power distribution for receptacles for data system as noted					
		above					
	Recommended Remedy	For added receptacles noted above, install new panelboard (42pole,		6	EA	\$4,800.00	\$28,800
	·	100amp, 120/208volt, 3phase, with Transient Voltage Surge					
		Suppression) and new feeder from switchboard					
tructu	ural						\$28,150
1	Existing Deficiency	2 story classroom building appears to be lacking for lateral force					
		reisting system in longitudinal direction					
	Recommended Remedy	* Additional analysis required. Allowance is for analysis only		1	LS		\$6,000
2	Existing Deficiency	Steel transverse moment frames at locker rooms are not to current day					
		standards.					
	Recommended Remedy	* Additional analysis required. Allowance is for analysis only		1	LS		\$4,000
3	Existing Deficiency	Wood horizontal straight sheathed diaphragm over stage					
	Recommended Remedy	New ply at roof		3,300	SF	\$5.50	\$18,150
		1 15.7	1	2,300		Sub Total	\$10,162,20

Sub-Total \$10,163,300

* NEEDS FURTHER INQUIRY FOR ACCURATE ESTIMATE

SOFT COSTS @ 25% \$2,540,825

TOTAL COSTS (not including escalation) \$12,704,125

















































































