# Donald Lum Elementary School

#### SUMMARY OF SCHOOL CAMPUS

• Address: 1801 Sandcreek Way, Alameda, CA 94501

• **Principal - Phone No. :** Kami Harris **-** (510) 748 4009

• **Year Built:** Original 1959

• Total site Area: 4.20 acres

• **Building Square Footage:** 36,150 sf

• **5 Portables:** 4,800 sf (1991 to 1998)

• **1 Modular:** 1,440 sf in 1998

#### **FACILITY DESCRIPTION**

Lum Elementary School was first constructed in 1959, with (2) Classroom Pods, and the Multi-Purpose / Administration Building. Another Classroom pod was added in 1964, and a fourth Classroom Building with Library and Media Center was added in 1974. All these buildings are wood-frame on concrete pad foundations with steel post and wood beam roof framing, and composition shingle roofing. This campus, including the covered walkways, was seismically retro-fitted in 2000, along with the addition of accessible site ramps, restroom upgrades, and electrical, telecom, clock, PA, security and fire alarm improvements. It serves 466 (K-5) students in 24 classrooms and a large asphalt paved playground.

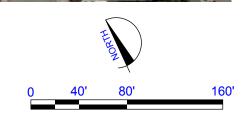
#### KEY ASSESSMENT ITEMS

- Playground asphalt has deteriorated
- Roofing leaks and at end of service life
- Adhesive applied acoustic tile delaminating
- Interior floor and wall finishes at buildings and portables at end of service life
- Exterior windows, doors and wood finishes have reached end of service life
- HVAC system at computer room is ineffective
- Computer room wiring and cable is floor mounted
- Some dry rot at covered walkway beams



DONALD D. LUM ES 4/30/2012

Alameda USD Facilities Assessment





CLASSROOM BUILDING

ADMINISTRATION

MULTI-PURPOSE / CAFETERIA BUILDING

MODULAR BUILDING

PORTABLE BUILDING

SEE ASSESSMENT SPREADSHEET FOR CIVIL KEYNOTES, TYP.

	CATEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATED Quantity	TAKE OFF Unit	COST / UNIT	TOTAL COST
Civi	il		SITETERIO	Qualitity	Offic		\$351,178
	Existing Site Conditions						700-/
i)	ACCESS						
•,	1 Existing Deficiency	ADA student drop off lacks compliant signage	1C				
	Recommended Remedy	Add compliant signage		1	LS	\$1,000	\$1,000
	2 Existing Deficiency	Existing two parallel ADA stalls do not have compliant unloading zones, lack proper signage, and have excessive cross and longitudinal slope.	2C				
	Recommended Remedy	Based upon the limited number of onsite parking stalls, these two ADA stalls are not required. Significant costs would be associated with any attempt to make these compliant. We recommend that the signage be removed, and ADA markings be painted out, and that these be used for other parking or drop off purposes.		2	EA	\$500	\$1,000
	3 Existing Deficiency	The ADA stall has out of date signage, and the required parking lot ADA entrance sign is located at the stall, rather than at the entrance to the parking lot.	3C				
	Recommended Remedy	Update ADA stall signage with the addition of the "fine" sign. Relocate the ADA parking lot entrance sign to the parking lot entrance.		1	LS	\$1,000	\$1,000
	4 Existing Deficiency	Ramp to portable classroom has slope of 8.6%.	4C				
	Recommended Remedy	Lengthen ramp, or add pavement at bottom landing so ramp slope can be reduced to 1:12 max		160	SF	\$5	\$800
	5 Existing Deficiency	Parking Area: Pavement deteriorated.	5C				
	Recommended Remedy	Crack seal, pavement fabric, and 1.5" minimum asphalt overlay		12,400	SF	\$6.00	\$74,400
	6 Existing Deficiency	Play Area: Pavement is deteriorating	6C				
	Recommended Remedy	Crack seal, seal coat, and restripe.		49,800	SF	\$3.61	\$179,778

CATEGORY		TECODY	DESCRIPTION PHOTO	РНОТО &	PHOTO & ESTIMATED TAKE OFF		COST / UNIT	TOTAL COST
	CA	TEGORY	DESCRIPTION	SITE PLAN	Quantity	Unit	COST / UNIT	TOTAL COST
	7	Existing Deficiency	Pavement cross slope perpendicular to building in this area is approximately 4.3%	7C				
		Recommended Remedy	Consider removing 20 ft strip of existing pavement parallel to building. Install 6 ft band of pavement at 2% max cross slope adjoining building, and 5 ft wide planting area to take up grade, and regrade/repave/restripe remaining area at 2% max cross slope.		120	SF	\$10	\$1,200
ii)		FIRE/LIFE SAFETY/HAZ MAT						
	1	Existing Deficiency	Poor onsite hydrant coverage in south and west portions of campus					
		Recommended Remedy	Fire access is good, and portions of the campus are fire sprinklered. Consider adding a private onsite hydrant in the southwest portion of the campus.		1	EA	\$65,000	\$65,000
iii)		UTILITIES		1				
	1	Existing Deficiency	It appears that the domestic water service and the fire sprinkler service do not have any backflow devices.	8C				
		Recommended Remedy	Add RPBP to domestic service, and single check detector check in vault to fire service.		1	LS	\$22,000	\$22,000
	2	Existing Deficiency	Areas of campus Irrigation are manual.				4- 000	4= 000
		Recommended Remedy	Upgrade Irrigation to remote programmable Controller		1	LS	\$5,000	\$5,000
		ectural						\$1,606,400
	cteri		1					
i)		ACCESS					1	
	1	Existing Deficiency	Playground: drink fountain is non accessible	#1				
		Recommended Remedy	Replace with accessible DF and pipe barriers		1	PAIR	\$5,000	\$5,000
ii)		DEFERRED MAINTENANCE		<u> </u>	<u>L</u>	L	, ,	. ,
	1	Existing Deficiency	Corridor fascia; wood damage	#2, #3, #4				
		Recommended Remedy	Check for insect damage, repair and repaint		1,200	LF	\$4	\$4,800
		Existing Deficiency	Wood siding/trims: wood check and peeling paint.	#7				
		Recommended Remedy	repair/replace, prep and repaint		17,800	SF	\$3	\$53,400
	3	Existing Deficiency	CMU walls: discolored and different colors	#5				
		Recommended Remedy	Reseal and repaint CMU block		17,800	SF	\$5	\$89,000

4 Existing Deficiency Recommended Remedy Replace all shingle roofs with S.S. metal roofing, and BUR with 30-yr BUR and cool roof coating. Also new fascia, gutter. and RWL. Exterior windows w/ Plexiglas beyond Service life Recommended Remedy Replace all windows with Alum. frame & dual pane glass  5 Existing Deficiency Recommended Remedy Replace all windows with Alum. frame & dual pane glass  6 Existing Deficiency Recommended Remedy Replace all ext. doors with metal frame and FRP door 7 Existing Deficiency Recommended Remedy Replace all ext. doors with metal frame and FRP door Recommended Remedy Replace all ext. doors with metal frame and FRP door Recommended Remedy Replace all ext. doors with metal frame and FRP door Recommended Remedy Recommended Remedy Recommended Remedy Recommended Remedy Replace with concrete foundation dry rot; no site drainage and new RWLs; replace (E) units with new.  9 Existing Deficiency Recommended Remedy Replace with concrete foundation dry rot; no site drainage and new RWLs; replace (E) unit with new. Recommended Remedy Replace with concrete foundation/ ramp; add site drainage and new RWLs; replace (E) unit with new.  8 Existing Deficiency Recommended Remedy Replace with concrete foundation/ ramp; add site drainage and new RWLs; replace (E) unit with new.  8 Existing Deficiency Recommended Remedy Replace with concrete foundation/ ramp; add site drainage and new RWLs; replace (E) unit with new.  8 Existing Deficiency Recommended Remedy Replace wood foundation and ramps with concrete; add site drainage and new RWLs; replace (E) unit with new.  9 Existing Deficiency Replace wood foundation and ramps with concrete; add site drainage and new RWLs; replace (E) unit with new.  10 Existing Deficiency Replace wood foundation and ramps with concrete; add site drainage and new RWLs; replace (E) unit with new.  11 Existing Deficiency Recommended Remedy Replace wood foundation and ramps with concrete; add site drainage and new RWLs; replace (E) unit with new.  11 Existing Deficiency Recommended R	TOTAL COST
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with 30-yr BUR and cool roof coating. Also new fascia, gutter, and RWL.  Existing Deficiency  Recommended Remedy  Replace all windows with Alum. frame & dual pane glass  3,400 SF \$44  6 Existing Deficiency  Recommended Remedy  Replace all ext. doors beyond service life  Recommended Remedy  Replace all ext. doors with metal frame and FRP door  28 EA \$4,400  7 Existing Deficiency  Recommended Remedy  Install a 2-Bin Trash Enclosure per Health Dept. standards  8 Existing Deficiency  Recommended Remedy  Replace with concrete foundation dry rot; no site drainage and new RWLs; replace (E) units with new.  Recommended Remedy  Replace with concrete foundation of yrot; no site drainage and new RWLs; replace (E) units with new.  Recommended Remedy  Replace with concrete foundation/ramp; add site drainage and new RWLs; replace (E) unit with new.  Recommended Remedy  Replace with concrete foundation/ramp; add site drainage and new RWLs; replace (E) unit with new.  Recommended Remedy  Replace with concrete foundation/ramp; add site drainage and new RWLs; replace (E) unit with new.  81 & B2 Portables: gutter down spout missing; no site drainage and new RWLs; replace (E) unit with new.  81 & B2 Portables: gutter down spout missing; no site drainage on west elevation;  Recommended Remedy  Replace wood foundation and ramps with concrete; add site drainage and new RWLs; replace (E) unit with new.  2,000 SF \$4  Existing Deficiency  Day Care Modular: damaged downspout; steel corrosion; #10, #16, ivy growth; wood paneling/trim damage; excess pine tree #19, #20,	
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Install a 2-Bin Trash Enclosure per Health Dept. standards   B3 & B4 Portables: wood foundation dry rot; no site drainage; wood panel dry rot & roof leaks   #6, #8, #9, #11	
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drainage; wood panel dry rot & roof leaks #11  Replace with concrete foundation; add site drainage and new RWLs; replace (E) units with new.  Music Portable: wood panel and foundation dry rot; no site drainage; metal frame and ramp rust; faded paint with different colors.  Recommended Remedy Replace with concrete foundation/ ramp; add site drainage and new RWLs; replace (E) unit with new.  Recommended Remedy B1 & B2 Portables: gutter down spout missing; no site drainage on west elevation;  Recommended Remedy Replace wood foundation and ramps with concrete; add site drainage and new RWLs; repaint  Recommended Remedy Replace wood foundation and ramps with concrete; add site drainage and new RWLs; repaint  Day Care Modular: damaged downspout; steel corrosion; ivy growth; wood paneling/trim damage; excess pine tree #10, #16, #19, #20,	
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drainage; metal frame and ramp rust; faded paint with different colors.  Recommended Remedy  Replace with concrete foundation/ ramp; add site drainage and new RWLs; replace (E) unit with new.  B1 & B2 Portables: gutter down spout missing; no site drainage on west elevation;  Recommended Remedy  Replace wood foundation and ramps with concrete; add site drainage and new RWLs; repaint  Existing Deficiency  Day Care Modular: damaged downspout; steel corrosion; ivy growth; wood paneling/trim damage; excess pine tree  #14, #15  18  CY  \$1,000  SF  \$4	
Recommended Remedy  Replace with concrete foundation/ ramp; add site drainage and new RWLs; replace (E) unit with new.  B1 & B2 Portables: gutter down spout missing; no site drainage on west elevation;  Recommended Remedy  Replace wood foundation and ramps with concrete; add site drainage and new RWLs; repaint  Day Care Modular: damaged downspout; steel corrosion; ivy growth; wood paneling/trim damage; excess pine tree  Replace with concrete foundation/ramp; add site drainage #10, #17, #18  2,000  SF  \$4	
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Recommended Remedy  Replace wood foundation and ramps with concrete; add site drainage and new RWLs; repaint  2,000  SF  \$4  Listing Deficiency  Day Care Modular: damaged downspout; steel corrosion; ivy growth; wood paneling/trim damage; excess pine tree  #18  2,000  SF  \$4	
drainage and new RWLs; repaint  Day Care Modular: damaged downspout; steel corrosion; ivy growth; wood paneling/trim damage; excess pine tree #19, #20,	
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11 Existing Deficiency Day Care Modular: damaged downspout; steel corrosion; #10, #16, ivy growth; wood paneling/trim damage; excess pine tree #19, #20,	\$8,000
ivy growth; wood paneling/trim damage; excess pine tree #19, #20,	
litter on roof and gutters. #21	
and site drainage: repair/replace wood panel/trim with	
cement board and repaint; replace downspouts with RWLs;  6,400 SF \$8	\$51,200
remove Pines adjacent to roof.	

CA	TEGORY	DESCRIPTION	PHOTO & SITE PLAN	ESTIMATED		COST / UNIT	TOTAL COS
			SHE PLAN	Quantity	Unit		
<u>Interi</u>							
	GENERAL & MAINTENANCE					1	
1	Existing Deficiency	Deteriorated painted wall and trim finish					
	Recommended Remedy	Repaint all interior walls, trims, doors, and other painted items		36,150	SF	\$2	\$72,300
2	Existing Deficiency	All flooring at end of service life					
	Recommended Remedy	Replace all flooring with resilient flooring, and walk-off Entry carpet mat.		36,150	SF	\$5	\$180,750
3	Existing Deficiency	Multi-Use: applied ceiling tiles delaminating	#27				
	Recommended Remedy	Investigate if roof joists are vented. If not probable dry rot replacement. Install new acoustic ceiling		4,900	SF	\$6	\$29,400
4	Existing Deficiency	Multi-Use Kitchen: does not meet Health Code for Re-heat kitchen	#28, #29				
	Recommended Remedy	Renovate kitchen to District standard for re-heat.; remove Range Hood and gas line stubs		1,800	SF	\$120	\$216,000
5	Existing Deficiency	B3 & B4 Portables: damages ceiling tiles; worn out floor carpet; aged wall paneling, windows, & door	#24, #25				
	Recommended Remedy	See Item #8 above. Provide new modular		1	LS	103000	\$103,000
6	Existing Deficiency	Music Portable: classroom sink is non-accessible; replace ceiling tiles	#22, #26				
	Recommended Remedy	See Item #8 above. Provide new modular		1	LS	103000	\$103,000
7	Existing Deficiency	Day Care Modular: damaged ceiling tile from roof leaks	#23				
	Recommended Remedy	Reseal/ repair roof and replace damaged tiles; replace carpet with resilient tile and carpet walk-off entry		1,200	SF	\$12	\$14,400

	CATEGORY		DESCRIPTION		ESTIMATED	TAKE OFF	COST / LINUT	
	CA	TEGORY	DESCRIPTION	SITE PLAN	Quantity	Unit	COST / UNIT	TOTAL COST
3) [	Иесhа	nical / Plumbing						\$236,600
A)	Exter	<u>ior</u>						
i		SITE SYSTEMS						
	1	Energy Management	campus energy management system does not exist					
		Danage and ad Danage						
		Recommended Remedy	add campus wide ddc control and create district standard		36,150	SF	\$2	\$72,300
	2	Roof top Gas lines	for energy control systems  Exposed iron pipe gas lines have severe rusting					
	_	Noor top das inies	Exposed from pipe gas filles flave severe rusting					
		Recommended Remedy	Replace all roof top gas lines	ALLOW	36,150	SF	\$2	\$72,300
	3	Existing Restrooms	Interior classroom POD toilets are non-compliant. Main					
			toilet rooms compliant, w/ waterless urinals.					
		Recommended Remedy	replace non-compliant toilet room fixtures with urinals					
		necesimienaea nemea,	(0.125 gpf), water closets (1.28gpf), and lavatories (0.5gpm)		_		45.000	400.000
			to bring into current code compliance and reduce water		5	LS	\$6,000	\$30,000
			consumption.					
B)_	Interi	<u>ior</u>						
<u>i</u>	)	ACCESS	N/A					
i		EXISTING SYSTEMS		ı			1	
	1	Existing Systems- Admin	Rooftop units fair to poor condition. No cooling IT space					
		Recommended Remedy	Replace as needed		1	LS	\$6,000	\$6,000
	2	Existing Deficiency-PODS	Interior Pods served by Fan coil with heating coil in good					
		Classrooms	condition, however cooling is desired by District.					
		Bassassas dad Bassada	Add DV soling soils and soud sociation					
		Recommended Remedy	Add DX cooling coils and condensing units to existing systems, modify ductwork as necessary. Mount CU's on roof.		4	LS	\$6,000.00	\$24,000
			systems, mounty ductwork as necessary. Mount Co's on roof.		4	LJ	\$0,000.00	724,000
	3	Existing Deficiency-multi use	Ventilation with (3) self containted heating units (Poor					
			Condition)					
					_			
		Recommended Remedy	replace with high efficiency gas fired roof top ac unit		3	EA	\$8,000	\$24,000
	4	Existing Deficiency-computer	Self contained heater (fair condition). Cooling provided by					
		room	portable ac unit, supplemented by swamp cooler.					
		Recommended Remedy	replace with rooftop packaged ac unit and ductwork		1	EA	\$8,000	\$8,000

(	ATEGORY	DESCRIPTION	РНОТО &	ESTIMATED TAKE OFF		COST / UNIT	TOTAL CO
C	ATEGORI	SIT	SITE PLAN	Quantity	Unit	COST / ONT	TOTAL CO.
5	Existing Deficiency	(E) electric water heater at end of service life					
	Recommended Remedy	Replace (5) electric water heaters		5	EA	\$4,000	\$20,000
e	Existing Deficiency	Sink piping is rust clogged w/ poor drainage		<u> </u>	LA	34,000	720,000
	Recommended Remedy	Replumb all sinks	ALLOW	30	EA	\$1,200	\$36,000
7	7 Existing Deficiency	Day Care Modular: Gas heater at end of service life					
	Recommended Remedy	replace with high efficiency gas fired furnace with DX cooling		1	LS	\$8,000	\$8,000
	necessissis and nesses y	coil and condensing unit.		_		φο,σσσ	φο,σσσ
8	Boiler Plant	boiler/pumps about 10 years old. (fair condition)					
	Recommended Remedy	Replace boiler and all associated equipment, and U.G.		1	LS	\$150,000	\$150,00
	,,,,,,	supply lines to Pods.		_	-5	Ψ 20 0,000	<b>4133,00</b>
Electr	rical	(Supply Miles So. 1 Supply	•			•	\$430,92
Gen							. ,
i)	EXISTING SYSTEMS						
		School Modernization in 2000 included upgrades to electrical	service , te	le communic	ation, clock,	security, and f	ire alarm
		systems. No Cable TV service.					
		Main switchboard appears to be original equipment (circa 19	59) with sor	ne new pane	els installed.		
Mand	latory	•					
i)	EXTERIOR LIGHTING						
	Existing System:	Exterior building lighting provided by wallpacks and floodlight	ts, surface s	quare dropp	ed lens at co	vered walkway	'S.
1	1 Existing Deficiency	Inadequate exterior lighting provided, walkways dark as					
		noted by staff.					
	Pacammandad Pamadu	Add (15) fixtures and replace (E) with new; add (2) 16-ft pole					
	Recommended Remedy	fixtures at Parking area		30	EA	\$750	\$22,500
2	2 Existing Deficiency	No exterior emergency lighting provided for emergency					
		egress.					
	Recommended Remedy	Add exterior battery pack fixtures for minimum code		15	EA	\$375	\$5,625
	Recommended Remedy	coverage			LA	75,5	75,025
ii)	INTERIOR LIGHTING	0-	ı	1			
	Existing System:	Existing suspended fluorescent fixtures in classroom areas do	not have s	eismic suppo	orts		
1		Suspended fixtures do not have seismic supports & cables to					
	0 ,	prevent sideways shifting					
						4 -	
	Recommended Remedy	Add begin and begin and discount of the last		36,150	SF	\$2	\$72,300
		Add horizontal bracing and diagonal restraint wires per code					

Ē	CATEGORY		DESCRIPTION	РНОТО &	ESTIMATED TAKE OFF		COST / UNIT	TOTAL COST		
	CA	TEGORY	DESCRIPTION	SITE PLAN	Quantity	Unit	COST / UNIT	TOTAL COST		
C)	<u>Deferred Maintenance</u>									
i)		FIRE ALARM /DETECTION								
	Existing System: Notifier control and expander panels, strobes, detectors are recent system upgrades									
	1	Existing Deficiency	Notifier panel is not preferred manufacturer							
		Recommended Remedy	Replace fire alarm panel with district preferred manufacturer (Firelite).		1	LS	\$16,000	\$16,000		
ii)		TELEPHONE/DATA SYSTEM	manacare (mence)							
<u> </u>		Existing System:	Rack mounted Rauland telephone system upgrade.							
	1	Existing Deficiency	Rauland panel is not preferred manufacturer							
		Recommended Remedy	Replace Rauland system with District standard VOIP.		1	EA	\$32,000	\$32,000		
	2	Existing Deficiency	In some areas, ie, media center, classrooms, offices, plastic				, , , , , , , ,	1 - 7		
			floor thresholds or rugs used to cover data cables to tables and work stations.							
		Recommended Remedy	Add data outlets to eliminate use of thresholds		25	EA	\$400	\$10,000		
	3	Existing Deficiency	Surface raceway in several locations has broken pieces							
		Recommended Remedy	Replace broken raceway		100	LF	\$20	\$2,000		
	4	Existing Deficiency	Add data distribution equipment, including fiber optic				7-5	+-/		
		, ,	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		3	EA	\$1,500	\$4,500		
iii)		BELL/CLOCK/SPEAKER SYSTEM								
		Existing System:	Rack mounted Rauland bell/clock/speaker system is recent up	ograde						
	1	Existing Deficiency	Rauland panel is not preferred manufacturer Master clock							
			does not work, many clocks have been replaced.							
		Recommended Remedy	Replace Rauland system with District standard VOIP.		1	EA	\$10,000	\$10,000		
v)		INTERIOR LIGHTING								
		Existing System:	Suspended eggcrate 2x4 fluorescent fixtures in typical classro			x4 in offices,	cafeteria, and	Multi Purpose		
			room, floodlights at stage 1x4 fluorescemt wrapraround fixtu	res in media	center.					

	<u></u>	TEGORY	DESCRIPTION	РНОТО &	ESTIMATED TAKE OFF		COST / UNIT	TOTAL COST
			DESCRIPTION	SITE PLAN	Quantity	Unit	TOTAL COST	
	1	Existing Deficiency	Fixtures appear to be older, with T8 or T12 lamps and					
			magnetic ballasts.					
		Recommended Remedy	Replace with new energy efficient fixtures w/ T5 lamps and		36,150	SF	\$2	\$72,300
		necommended nemedy	electronic ballasts		30,130	٥.	Ψ-	ψ, <b>2</b> ,300
	2	Existing Deficiency	Fixtures observed with broken or missing lenses.					
		Recommended Remedy	Replace with new fixtures		20	EA	\$75	\$1,500
	2	Existing Deficiency	Some occupancy sensors observed, local room switches are		20	EA	Ş/3	\$1,500
		Existing Denciency	typical classroom and office lighting controls					
			typical classiform and office lighting controls					
		Recommended Remedy	Replace toggle switches with ultrasonic/infrared room		36,150	SF	\$0.35	\$12,653
			occupancy sensors					
vi)		EXIT SIGNS						
		Existing System:	Exit signs and dual head battery packs observed.	1	1		T	
	1	Existing Deficiency	Fixtures observed with broken or missing lenses.					
		Recommended Remedy	Replace exit signs		5	EA	\$425	\$2,125
	2	Existing Deficiency	Emergency egress fixtures were observed, quantity may not				·	. ,
			be adequate.					
		Recommended Remedy	Add dual head battery packs at egress paths		10	EA	\$375	\$3,750
vii)		POWER	Add ddd ffedd battery packs at egress patris		10	LA	<del>7</del> 373	<del>73,730</del>
,		Existing Deficiency	Main panel sub feeders to Pods are rusted and shorting					
		December ded Demedy	Deplete with new DVC conduit and conductors		1	ГΛ	¢75.000	¢75 000
	2	Recommended Remedy Existing Deficiency	Replace with new PVC conduit and conductors  Roof top power and signal conduit is rusting out.		1	EA	\$75,000	\$75,000
		Existing Denciency	Noor top power and signal conduit is rusting out.					
		Recommended Remedy	Replace all roof top conduit		36,150	SF	\$2	\$72,300
	3	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		30	EA	\$475	\$14,250

#### **Facility Assessment Spreadsheet**

CA	ATEGORY	DESCRIPTION		PHOTO & ESTIMATED TAKE OFF		COST / UNIT	TOTAL COST
Ų.		5 <b>- 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -</b>	SITE PLAN	Quantity	Unit	, ,	
4	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 broken raceways		100	LF	\$20	\$2,000
5	Existing Deficiency	In some areas, devices are missing coverplates with data or					
		power cables exposed.					
	Recommended Remedy	Replace coverplates		5	EA	\$25	\$125
6	Existing Deficiency	Inadequate power distribution for receptacles for data					
		system as noted above					
	Recommended Remedy	For added receptacles noted above, install new panelboard		1	LS	\$4,700	\$4,700
	·	(42pole, 100amp, 120/208volt, 3phase, with Transient					, ,
		Voltage Surge Suppression) and new feeder from					
		switchboard					
Struct	ural						\$0
1	Existing Deficiency	none	NA				\$0

Sub-Total \$2,625,106

Cost per SF: #DIV/0!

SOFT COSTS @ 25% \$656,276

TOTAL COSTS (not including escalation) \$3,281,382



