

Marshall Public Schools
2006 Facility Needs
Assessment

High School

Category	Description of Work Item	Units	Cost/Unit	Sub-Total	Escalation	Total Cost	Health & Safety	Code & ADA	Energy Payback	P	Life Cycle	P
<p>I. General:</p> <p>Grade Alignment: 9 - 12 Present Enrollment: 885 5-Year Projection: 812 Rated Capacity: 1020 Site: 56.0 Acres Total Building Area: 212,790 sq.ft. Original Bldg: 1970 Addition(s): 1998</p>												
<p>II. Site Work:</p>												
1	Parking:											
a.	The east and southwest parking lots including the lot approaches be rehabilitated by a crack repair/mill & resurface or a complete reconstruction that would reconstruct the gravel subbase.	1	LS	\$859,573	\$859,573	\$88,553	\$948,126				\$948,126	B
b.	Due to current condition, a complete reconstruction with larger approach radiuses is recommended for the West lot.	1	LS	\$59,666	\$59,666	\$6,147	\$65,813				\$65,813	B
2	Roads:											
a.	The service drive intersection for the loading dock drive and practice field drive reconstructed with new larger radiuses and improved approach grades.	1	LS	\$51,740	\$51,740	\$5,330	\$57,070				\$57,070	B
3	Sidewalks:											
a.	Complete replacement of bituminous pathway for the Baseball and Football Fields.	1	LS	\$30,687	\$30,687	\$3,161	\$33,848				\$33,848	B
b.	Full reconstruction of concrete ramp (to main level) along with the reconstruction of the subbase that includes provisions addressing the undermining issue that has occurred. Main Building Entries.	1	LS	\$69,650	\$69,650	\$7,175	\$76,825	\$76,825				
4	Storm Drainage:											
a.	Reconstruction of the trench grate with a concrete apron built around grate to eliminate pavement edge up along side of grates. Consider alternatives to removal of grate and still maintain drainage requirements. Entry Drive.	1	LS	\$6,245	\$6,245	\$643	\$6,888	\$6,888				
5	Sanitary Sewer:											
a.	If the concrete areas of the south entrance are reconstructed than we recommend that the reconstruction of the sewer lateral be inspected and/or replaced in a manner to improve discharge velocities.	1	LS	\$31,200	\$31,200	\$3,214	\$34,414	\$34,414				
6	Water Utility:											
a.	Replacement of entire frost-free spigot assembly with a more durable option (vandalism proof). Tennis Courts.	1	LS	\$10,065	\$10,065	\$1,037	\$11,102				\$11,102	B
7	Athletic Facilities:											
a.	To construct a new concrete patio area near the press box for an outdoor eating area.	1	LS	\$13,500	\$13,500	\$1,391	\$14,891				\$14,891	C
b.	Replace/reconstruct concrete face of bleachers with new railing supports.	1	LS	\$142,750	\$142,750	\$14,706	\$157,456	\$157,456				
c.	Replace/upgrade all audio, video, and power outlet connections. Football stadium.	1	LS	\$50,000	\$50,000	\$5,151	\$55,151				\$55,151	B
d.	Place a flowable fill within the void under the Baseball bleachers with erosion control reinforcement placed along the edges of the bleachers (both sides) to prevent future erosion from causing same problem.	1	LS	\$20,000	\$20,000	\$2,060	\$22,060				\$22,060	B
e.	Install permanent crack repair measures. Tennis Courts.	1	LS	\$60,000	\$60,000	\$6,181	\$66,181				\$66,181	B
f.	Place a bottom rail for the fencing has rolled up at the bottom and replace the damaged fencing located at the baseball field.	1	LS	\$11,000	\$11,000	\$1,133	\$12,133				\$12,133	B
g.	Replace track running surface and restripe.	1	LS	\$134,672	\$134,672	\$13,874	\$148,546				\$148,546	B
h.	Replace grandstand front railing	Included in Item II 7b.										
8	Site Lighting:											
a.	Place higher intensity light fixtures on the current light fixtures within the entryway with possibly some new poles and fixtures added to further light the student/pedestrian traffic areas of the entryway.	1	LS	\$53,000	\$53,000	\$5,460	\$58,460	\$58,460				
b.	Install new lighting along walkway at football field	1	LS	\$31,000	\$31,000	\$3,194	\$34,194	\$34,194				
TOTAL SITEWORK							\$1,803,158	\$210,781	\$157,456	\$0	\$1,434,921	

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III. Health, Safety & Security:												
1	Life Safety Systems:											
	a. Replace entire fire alarm system with new Simplex system.	1	LS \$305,495	\$305,495	\$31,472	\$336,967		\$336,967				
	b. Add emergency lights in corridors and large group space to comply with current codes.	1	LS \$421,978	\$421,978	\$43,472	\$465,450		\$465,450				
	c. Replace all existing fire extinguisher cabinets and fire extinguishers.	1	LS \$37,899	\$37,899	\$3,904	\$41,803		\$41,803				
2	Security Systems:											
	Refer to District-Wide Technology report prepared by Wright & Hunter											
	TOTAL HEALTH & SAFETY					\$844,220	\$0	\$844,220	\$0		\$0	
IV. General Building Improvements:												
Interior:												
1	Finishes											
	a. Repair drywall and repaint corridors	1	LS \$132,348	\$132,348	\$13,634	\$145,982					\$145,982	D
	b. Install 4" rubber base on all exposed brick walls. Corridors.	1	LS \$14,362	\$14,362	\$1,480	\$15,842					\$15,842	D
	c. Replace existing floor finishes in Media Center.	1	LS \$52,072	\$52,072	\$5,364	\$57,436					\$57,436	D
	d. Replace existing flat hand railings with new pipe railings. All Main Stairways.	1	LS \$25,611	\$25,611	\$2,638	\$28,249		\$28,249				
	e. Remove existing ceiling structure as required for installation of new mechanical and electrical systems and reinstall when completed.	1	LS \$761,625	\$761,625	\$78,463	\$840,088					\$840,088	D
	f. Replace light fixtures in stairwell to increase light levels.	1	LS \$20,314	\$20,314	\$2,093	\$22,407		\$22,407				
	g. Remove/encapsulate existing VAT and install new VCT flooring in Classrooms.	1	LS \$537,889	\$537,889	\$55,413	\$593,302	\$593,302					
	h. Repair and refinish display cases in Corridors.	1	LS \$10,500	\$10,500	\$1,082	\$11,582					\$11,582	B
	i. Clean and seal exposed interior brick.	1	LS \$8,000	\$8,000	\$824	\$8,824					\$8,824	D
	j. Replace existing carpeting and sand and refinish wood flooring in gym.	1	LS \$99,676	\$99,676	\$10,269	\$109,945					\$109,945	B
	k. Replace existing acoustical panel ceiling with new 2x2 acoustical panel ceiling in Corridor 105.	1	LS \$11,526	\$11,526	\$1,187	\$12,713					\$12,713	D
	l. Remodel PE locker rooms and replace existing lockers and fixtures. Make locker rooms and restrooms ADA compliant.	1	LS \$618,428	\$618,428	\$63,710	\$682,138		\$682,138				
	m. Remove existing drywall and install new gypsum board on 3/4" plywood on existing framing. Gym Balcony.	1	LS \$13,144	\$13,144	\$1,354	\$14,498					\$14,498	B
	n. Clean, treat and repaint ductwork with Tnemec epoxy paint. Gymnasium.	1	LS \$55,804	\$55,804	\$5,749	\$61,553	\$61,553					
	o. Replace or rework existing railings to meet current code for liability concerns.	1	LS \$15,536	\$15,536	\$1,601	\$17,137		\$17,137				
	p. Clean and re-caulk all expansion and controls joints on interior of building.	1	LS \$10,800	\$10,800	\$1,113	\$11,913					\$11,913	D
	q. Repaint gym walls.	1	LS \$45,000	\$45,000	\$4,636	\$49,636					\$49,636	D
	r. Remove existing acoustical panel ceiling system and all ductwork. Clean prime and paint all exposed structural metal with Tnemec epoxy paint. Install acoustical panels on walls and ceilings. Pool.	1	LS \$280,000	\$280,000	\$28,846	\$308,846	\$308,846					
	s. Replace all exterior storefront framing, doors and hardware with thermal improved framing and insulated glazing.	1	LS \$4,200	\$4,200	\$433	\$4,633			\$4,633	A		
	t. Clean or replace all exposed metal systems in the pool area and repaint with Tnemec epoxy.	1	LS \$50,500	\$50,500	\$5,203	\$55,703	\$55,703					
	u. Clean, prime and paint all exposed structural steel and railings with Tnemec epoxy paint. Pool.	1	LS \$50,000	\$50,000	\$5,151	\$55,151	\$55,151					
	v. Replace existing finishes and lockers and revised locker room for ADA compliance. Mens Team Room.	1	LS \$335,047	\$335,047	\$34,517	\$369,564		\$369,564				
	w. Repair and paint existing hollow metal doors. Team Locker Rooms.	1	LS \$9,600	\$9,600	\$989	\$10,589					\$10,589	D
	x. Clean and repaint existing walls and ceilings. Receiving Room.	1	LS \$5,246	\$5,246	\$540	\$5,786					\$5,786	D
	y. Replace existing acoustical panel ceiling system with new 2x2 acoustical panel system. Cafeteria.	1	LS \$86,157	\$86,157	\$8,876	\$95,033					\$95,033	D
	z. Trim out and paint wall at new door location, install missing terrazzo base. Cafeteria.	1	LS \$5,700	\$5,700	\$587	\$6,287					\$6,287	D
	aa. Repair and paint Cafeteria walls.	1	LS \$13,356	\$13,356	\$1,376	\$14,732					\$14,732	D
	bb. Replace existing abuse paneling on walls in Cafeteria.	1	LS \$28,745	\$28,745	\$2,961	\$31,706					\$31,706	D
	cc. Clean and seal exposed brick. Cafeteria.	1	LS \$16,584	\$16,584	\$1,708	\$18,292					\$18,292	D
	dd. Repair existing acoustical panel ceilings as required. Computer Lab.	1	LS \$10,500	\$10,500	\$1,082	\$11,582					\$11,582	D
	ee. Replace existing casework. Art Room.	1	LS \$85,000	\$85,000	\$8,757	\$93,757					\$93,757	B
	ff. Install non-skid surface material on ramp. Corridor.	1	LS \$5,600	\$5,600	\$577	\$6,177		\$6,177				

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	gg. Remove existing acoustical panel ceiling and install new 2x2 acoustical panel ceiling system. Band Room.	1 LS	\$81,718	\$81,718	\$8,419	\$90,137					\$90,137	D
	hh. Repair/replace damaged acoustical wall panels. Band Room.	Included Above				\$0					\$0	D
	ii. Repaint walls. Band Room.	Included Above				\$0					\$0	D
	jj. Replace existing flooring. Band Room.	1 LS	\$34,431	\$34,431	\$3,547	\$37,978					\$37,978	D
	kk. Remove existing acoustical panel ceiling and install new 2x2 acoustical panel ceiling system. Choir Room.	1 LS	\$54,064	\$54,064	\$5,570	\$59,634					\$59,634	D
	ll. Repaint walls. Choir Room.	Included Above										
	mm. Replace existing flooring. Choir Room.	Included Above										
	nn. Replace existing music casework.	1 LS	\$32,000	\$32,000	\$3,297	\$35,297					\$35,297	B
	oo. Seal walls between vocal and instrumental rooms tight to roof deck.	1 LS	\$35,732	\$35,732	\$3,681	\$39,413					\$39,413	A
	pp. Remove existing acoustical panel ceiling and install new 2x2 acoustical panel ceiling system. Drafting Room.	1 LS	\$74,431	\$74,431	\$7,668	\$82,099					\$82,099	D
	qq. Repaint walls. Drafting room.	Included Above				\$0					\$0	D
	rr. Replace existing flooring. Drafting room.	Included Above				\$0					\$0	D
	ss. Repaint existing toilet rooms, and replace wall and floor tile. Auditorium Toilet Rooms.	1 LS	\$84,000	\$84,000	\$8,654	\$92,654					\$92,654	D
	tt. Replace existing flooring. Auditorium.	1 LS	\$27,894	\$27,894	\$2,874	\$30,768					\$30,768	D
	uu. Replace existing seating. Auditorium.	1 LS	\$81,000	\$81,000	\$8,345	\$89,345					\$89,345	D
	vv. Sand and refinish wood flooring, or, Install 1/4" tempered hardboard and finish. Auditorium.	1 LS	\$15,988	\$15,988	\$1,647	\$17,635					\$17,635	D
	ww. Replace existing science casework.	1 LS	\$246,264	\$246,264	\$25,370	\$271,634					\$271,634	A
	xx. kitchen area remodel	1 LS	\$320,000	\$320,000	\$32,966	\$352,966					\$352,966	
	yy. vo tech lab remodel	1 LS	\$527,000	\$527,000	\$54,291	\$581,291					\$581,291	
2	Doors and Windows											
	a. Upgrade door hardware to meet ADA and code guidelines. Replace doors on an as needed basis only. Classrooms & Offices.	1 LS	\$185,850	\$185,850	\$19,146	\$204,996		\$204,996				
	b. Replace existing wood doors and hardware. Media Center.	1 LS	\$9,040	\$9,040	\$931	\$9,971		\$9,971				
	c. Replace existing doors and frames with heavy-duty hollow metal doors and frames. Cafeteria.	1 LS	\$56,424	\$56,424	\$5,813	\$62,237		\$62,237				
	d. Replace existing doors and frames with heavy-duty hollow metal doors and frames. Gymnasium.	1 LS	\$25,200	\$25,200	\$2,596	\$27,796		\$27,796				
	e. Replace existing doors and frames with new heavy-duty hollow metal doors and frames. Store Rooms.	1 LS	\$14,700	\$14,700	\$1,514	\$16,214		\$16,214				
	f. Add weather stripping to exterior doors. Pool Doors.	1 LS	\$400	\$400	\$41	\$441			\$441	A		
	g. Replace existing wood corridor doors and hardware.	1 LS	\$389,400	\$389,400	\$40,116	\$429,516		\$429,516				
	h. Replace existing doors and frames with new heavy-duty hollow metal doors and frames. Cafeteria.	1 LS	\$18,800	\$18,800	\$1,937	\$20,737		\$20,737				
	i. Install transition strip at doors. Art Room.	1 LS	\$500	\$500	\$52	\$552					\$552	B
	j. Remove and replace existing hollow metal doors and frames with new aluminum doors and frames. Exterior Band Room Doors.	1 LS	\$6,100	\$6,100	\$628	\$6,728		\$6,728				
	k. Replace all glazing in doors with Category II impact resistant glazing. All Doors.	1 LS	\$13,050	\$13,050	\$1,344	\$14,394		\$14,394				
3	Equipment											
	a. Replace existing VDB's with new VDB's. All Classrooms.	1 LS	\$150,750	\$150,750	\$15,530	\$166,280					\$166,280	A
	b. Replace all existing lockers with new 12"x12" lockers. Corridors.	1 LS	\$240,092	\$240,092	\$24,734	\$264,826					\$264,826	B
	c. Replace existing bleachers. Gymnasium.	1 LS	\$231,200	\$231,200	\$23,818	\$255,018		\$255,018				B
	d. Review usage and replace folding partitions as required. cafeteria.	1 LS	\$46,805	\$46,805	\$4,822	\$51,627					\$51,627	A
	e. Review usage of folding partitions. Replace partitions not used with solid wall construction, and replace partitions used with STC 50 operable wall units. Classrooms.	1 LS	\$33,105	\$33,105	\$3,410	\$36,515					\$36,515	A
	f. Review usage of folding partitions. Replace partitions not used with solid wall construction, and replace partitions used with STC 50 operable wall units. Science Rooms.	1 LS	\$16,236	\$16,236	\$1,673	\$17,909					\$17,909	A
	g. replace gym scoreboards	1 LS	\$36,500	\$36,500	\$3,760	\$40,260					\$40,260	A
	h. New Pool scoreboards	1 LS	\$50,000	\$50,000	\$5,151	\$55,151					\$55,151	A
	i. New gym basketball backboards	1 LS	\$60,000	\$60,000	\$6,181	\$66,181					\$66,181	A
	J. food service equipment replacement	1 LS	\$480,000	\$480,000	\$49,450	\$529,450					\$529,450	
	K. Vo tech equipment replacement	1 LS	\$225,000	\$225,000	\$23,179	\$248,179					\$248,179	
4	Infrastructure											
	a. Contract a structural engineer to test and make recommendations how to repair column bases. Pool.	1 LS	\$3,000	\$3,000	\$309	\$3,309	\$3,309					
	b. Repair structural damage at lintel in cmu wall at door. Band Room.	1 LS	\$5,500	\$5,500	\$567	\$6,067	\$6,067					
	TOTAL INTERIOR					\$8,086,288	\$1,083,931	\$2,173,279	\$5,074		\$4,824,004	

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V.	General Building Improvements:											
	Exterior:											
1	Building Envelope											
	a. Clean, seal and repaint all exterior soffit.	1	LS \$41,620	\$41,620	\$4,288	\$45,908					\$45,908	B
	b. Replace damaged unit vent louvers.	1	LS \$85,000	\$85,000	\$8,757	\$93,757					\$93,757	B
	c. Replace damaged brick by toothing in new brick to match. Install protective corner guards.	1	LS \$19,000	\$19,000	\$1,957	\$20,957					\$20,957	B
	d. Repair damaged fascia and re-secure trim pieces.	1	LS \$41,620	\$41,620	\$4,288	\$45,908					\$45,908	B
	d1. Replace entire fascia system. (Option)	1	LS \$360,710	\$360,710	\$37,160	\$397,870						
	e. Clean and re-caulk existing expansion and control joints.	1	LS \$49,944	\$49,944	\$5,145	\$55,089					\$55,089	B
	f. Clean and seal existing stained brickwork.	1	LS \$2,000	\$2,000	\$206	\$2,206					\$2,206	B
	g. Replace existing exterior light fixtures with new energy efficient vandal resistant fixtures.	1	LS \$33,000	\$33,000	\$3,400	\$36,400					\$36,400	B
	h. Pine tree should be removed, fascia panels should be replaced at Pool Building.	1	LS \$2,000	\$2,000	\$206	\$2,206					\$2,206	B
	i. Remove existing air intake louver and install overhead sectional door for boiler access.	1	LS \$5,500	\$5,500	\$567	\$6,067					\$6,067	B
	j. Replace all exterior storefront framing, doors and hardware with thermal improved framing and insulated glazing.	1	LS \$325,420	\$325,420	\$33,525	\$358,945			\$358,945	A		
	k. Replace all window framing, with thermal improved framing and insulated glazing Media Center.	1	LS \$49,732	\$49,732	\$5,123	\$54,855			\$54,855	A		
	l. Replace all window framing, with thermal improved framing and insulated glazing. Classrooms.	1	LS \$96,000	\$96,000	\$9,890	\$105,890			\$105,890	A		
	m. Repair masonry wall at loading dock court	1	LS \$34,643	\$34,643	\$3,569	\$38,212					\$38,212	B
	n. Replace loading dock steps	1	LS \$19,834	\$19,834	\$2,043	\$21,877					\$21,877	B
	o. Replace auditorium roof	1	LS \$140,434	\$140,434	\$14,467	\$154,901					\$154,901	B
2	Building Structure											
	a. See Infrastructure Section.											
	TOTAL EXTERIOR					\$1,043,178	\$0	\$0	\$519,690		\$523,488	
VI.	Building Accessibility:											
1	ADA Requirements											
	a. Upgrade current elevator to meet ADA guidelines.	1	LS \$60,000	\$60,000	\$6,181	\$66,181		\$66,181				
	b. Replace drinking fountains to be ADA compliant.	1	LS \$38,400	\$38,400	\$3,956	\$42,356		\$42,356				
	c. Renovate all existing toilet room with ADA layouts and new fixtures and finishes. All Group Restrooms.	1	LS \$426,923	\$426,923	\$43,982	\$470,905		\$470,905				
	d. Replace existing hand railings with ADA compliant hand railings. Corridor Ramp.	1	LS \$5,000	\$5,000	\$515	\$5,515		\$5,515				
	e. Review layout and revise current layout to provide ADA accessibility and improve acoustical performance. Music Suite Room Access.	1	LS \$150,000	\$150,000	\$15,453	\$165,453		\$165,453				
	e. Rework existing toilet rooms to comply with ADA guidelines.	1	LS \$48,000	\$48,000	\$4,945	\$52,945		\$52,945				
	f. Renovate existing toilet room with ADA layouts and new fixtures. Auditorium.	1	LS \$70,800	\$70,800	\$7,294	\$78,094		\$78,094				
	TOTAL ACCESSIBILITY					\$881,449	\$0	\$881,449	\$0		\$0	
VII	Mechanical Systems:											
1	Heating, Ventilation, Air Conditioning											
	a. Replace the two 1972 Kewanee steam boilers with 200 H.P. steam boilers to be moved from the Middle School. Replace steam header isolation valves.	1	LS \$110,100	\$110,100	\$11,342	\$121,442			\$121,442	C		
	b. replace one 1972 steam boiler with 200 H.P. steam boiler to be moved from the Middle School. Sell the second boiler unit. Purchase a new 40 H.P steam boiler sized to provide steam to the kitchen and the pool heaters during the summer months. Replace steam header isolation valves.	1	LS \$170,100	\$170,100	\$17,524	\$187,624			\$187,624	B		
	c. Provide barometric dampers in the flue for 3 boilers and the domestic hot water boiler.	1	LS \$26,500	\$26,500	\$2,730	\$29,230			\$29,230	C		
	d. Replace all condensate pumps and tanks except the unit in the kitchen area.	1	LS \$38,000	\$38,000	\$3,915	\$41,915			\$41,915	C		
	e. Provide a second run of chilled water to all U.V. to create a four-pipe system for either heating or cooling in intermediate seasons. The cost includes ceiling removal and replacement in the corridors and classrooms.	1	LS \$929,625	\$929,625	\$95,770	\$1,025,395			\$1,025,395	C		
	f. Replace the water type-cooling tower with a new unit with multiple variable frequency drive fans.	1	LS \$147,500	\$147,500	\$15,195	\$162,695			\$162,695	A		
	g. Replace pool AHU with a heat recovery unit. 16,000 CFM.	1	LS \$218,880	\$218,880	\$22,549	\$241,429			\$241,429	C		
	h. Replace pool unit with a dehumidification/cooling/heat recovery unit. 16,000 CFM.	1	LS \$171,880	\$171,880	\$17,707	\$189,587			\$189,587	A		
	i. Add motorized dampers in the kitchen roof top supply air unit.	1	LS \$9,000	\$9,000	\$927	\$9,927			\$9,927	A		
	j. Add two diffusers and ductwork to increase air conditioning capacity in the kitchen.	1	LS \$4,000	\$4,000	\$412	\$4,412			\$4,412	C		
	k. Replace all ductwork with aluminum or PVC coated ductwork.	1	LS \$280,500	\$280,500	\$28,897	\$309,397			\$309,397	C		
	l. Replace the 1972 unit ventilators in classrooms with vertical unit vents with ductwork and 4 ceiling diffusers. Close up the existing fresh air louver and install a new louver to serve the vertical unit. Units to have a hot water heating coil and separate chilled water coil. Cost includes ceiling removal and replacement and exterior wall work.	1	LS \$1,475,625	\$1,475,625	\$152,019	\$1,627,644			\$1,627,644	B		
	m. Replace 2 htg coils serving the kitchen serving line area and the director's office.	1	LS \$14,000	\$14,000	\$1,442	\$15,442			\$15,442	C		
	n. Replace fan and hoods to comply with current Health Dept. Standards.	1	LS \$360,000	\$360,000	\$37,087	\$397,087		\$397,087				

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	o. Replace exhaust fans in the pool and gym.	1	LS	\$30,000	\$30,000	\$3,091	\$33,091		\$33,091	C		

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2	Temperature Controls											
	a. Replaced unit vents to have DDC controls.	1	LS \$57,000	\$57,000	\$5,872	\$62,872			\$62,872		A	
	b. Install DDC controls on existing multizone units to reduce energy cost. Damper operators to remain pneumatic.	1	LS \$72,000	\$72,000	\$7,417	\$79,417			\$79,417		A	
	c. Install CO2 sensors to reduce outdoor air if not needed on all new equipment and multizone units.	1	LS \$120,000	\$120,000	\$12,362	\$132,362			\$132,362		B	
3	Building Utility Services											
	a. None Applicable											
4	Plumbing											
	a. Replace the water softener.	1	LS \$134,000	\$134,000	\$13,805	\$147,805			\$147,805		C	
	b. Scrape, Paint and recondition the soft water system tanks, replace valves.	1	LS \$2,000	\$2,000	\$206	\$2,206			\$2,206			
	c. Replace the domestic hot water boiler with a high efficiency heater and provide a 500 gallon domestic hot water storage tank.	1	LS \$117,000	\$117,000	\$12,053	\$129,053			\$129,053		A	
	d. Replace all shower mixing valves in the women and men's locker rooms.	1	LS \$85,000	\$85,000	\$8,757	\$93,757			\$93,757		C	
	e. Remodel all restrooms and provide new fixtures.	Included in Architectural										
	f. Add trap primers in all remodeled areas.	Included in Architectural						\$0				
	g. Leave as is except sprinkle the janitor's closets per current code. Replace the sprinkler lines in the pool equipment room.	1	LS \$10,000	\$10,000	\$1,030	\$11,030		\$11,030				
	TOTAL MECHANICAL					\$5,054,819	\$0	\$408,117	\$4,646,702		\$0	
VIII.	Electrical Systems:											
1	Service:											
	a. None Applicable											
2	Lighting:											
	a. Add occupancy sensors for lighting control in all classrooms.	1	LS \$188,100	\$188,100	\$19,378	\$207,478			\$207,478		A	
	b. Add occupancy sensors for lighting control in all other occupied spaces.	1	LS \$158,400	\$158,400	\$16,318	\$174,718			\$174,718		B	
	c. Replace entire stage lighting system.	1	LS \$200,000	\$200,000	\$20,604	\$220,604			\$220,604		C	
3	Power:											
	a. Add panel boards to accommodate added classroom circuits for teachers and students computer drops.	1	LS \$100,000	\$100,000	\$10,302	\$110,302			\$110,302		C	
	b. Add circuits and receptacles in computer rooms; add two receptacles in all classrooms.	1	LS \$370,500	\$370,500	\$38,169	\$408,669			\$408,669		C	
	c. Add infrastructure and power for (4) computer drops in each classroom.	1	LS \$712,500	\$712,500	\$73,402	\$785,902			\$785,902		C	
	d. Replace floor receptacles in food serving area.	1	LS \$35,000	\$35,000	\$3,606	\$38,606			\$38,606		C	
	e. Provide TVSS protection for main distribution panel and sub distribution panels.	1	LS \$50,000	\$50,000	\$5,151	\$55,151			\$55,151		C	
	f. Install surge protection to prevent the burnout of control relays above the ceiling.	1	LS \$10,000	\$10,000	\$1,030	\$11,030			\$11,030		C	
	g. Replace Cafeteria sound system.	1	LS \$10,000	\$10,000	\$1,030	\$11,030			\$11,030		C	
	h. Replace the entire auditorium sound system.	1	LS \$195,990	\$195,990	\$20,191	\$216,181			\$216,181		C	
	h. Replace clocks with a wireless GPS System.	1	LS \$140,395	\$140,395	\$14,463	\$154,858			\$154,858		C	
	TOTAL ELECTRICAL					\$2,394,529	\$0	\$0	\$2,394,529		\$0	

Category	Description of Work Item	Units	Cost/Unit	Sub-Total	Escalation	Total Cost	Health & Safety	Code & ADA	Energy Payback	P	Life Cycle	P
IX.	Technology											
1	Technology Needs											
a.	Refer to District-Wide Technology report prepared by Wright & Hunter											
	TOTAL TECHNOLOGY						\$0	\$0	\$0		\$0	
X.	Fixtures, Furniture & Equipment											
1	Furnishings											
a.	Replace Media Center furniture	1	LS	\$120,000	\$120,000	\$12,362	\$132,362				\$132,362	A
	TOTAL FF&E						\$132,362	\$0	\$0	\$0	\$132,362	
XI.	District Requests:											
1	Owner Expressed Needs											
a.	XXXX											
	TOTAL OWNER EXPRESSED NEEDS						\$0	\$0	\$0	\$0	\$0	
XII.	Studies & Testing:											
1												
	TOTAL STUDIES AND TESTING						\$25,000	\$0	\$0	\$0	\$0	
XIII. Totals	Probable Construction Cost						\$20,265,003	\$1,294,712	\$4,464,521	\$7,565,995	\$6,914,775	
	Contingency			10.00%			\$2,026,500	\$129,471	\$446,452	\$756,600	\$691,478	
	Permits and Review Fees			1.00%			\$202,650	\$12,947	\$44,645	\$75,660	\$69,148	
	General Conditions			6.00%			\$1,337,490	\$85,451	\$294,658	\$499,356	\$456,375	
	CM Fee + Reimbursables			5.00%			\$1,181,450	\$75,482	\$260,282	\$441,098	\$403,131	
	Design Fees + Reimbursables			8.00%			\$1,984,835	\$126,809	\$437,273	\$741,044	\$677,261	
	Total Project Cost			30.00%			\$26,997,929	\$1,724,872	\$5,947,831	\$10,079,751	\$9,212,168	