

**Barton
Malow**

Southfield, Michigan

Chippewa Valley Schools
Clinton Township, MI

FINAL DRAFT 10/23/2009

Dakota 9th Grade Center
Building Project Work List

Category	Work Item Description	Qty.	Unit	Unit Cost	Projected Cost	Escalation	Total Budget
New Construction							
	Construct storage addition	500	sf	\$180.00	\$90,000	\$9,200	\$99,200
New construction subtotal							\$99,200
Site Work							
	Add site concrete	2,500	sf	\$5.50	\$13,750	\$1,400	\$15,150
	Site restoration related to addition	500	sf	\$10.00	\$5,000	\$500	\$5,500
	Improve site signage and furnishings	1	ls	\$25,000.00	\$25,000	\$2,600	\$27,600
Site work subtotal							\$48,250
Remodeling Work							
Exterior Work							
	Expand card access system	5	ea	\$1,500.00	\$7,500	\$800	\$8,300
Interior Work							
	Renovate existing space around new additions	500	sf	\$10.00	\$5,000	\$500	\$5,500
	Renovate special ed classrooms	500	sf	\$75.00	\$37,500	\$3,800	\$41,300
Electrical Work							
	Add motorized projection screen to cafeteria	1	ls	\$7,500.00	\$7,500	\$800	\$8,300
	Install timer for water heating circ pump	1	ls.	\$2,000.00	\$2,000	\$200	\$2,200
	Install timer on vending machines	6	ea	\$1,000.00	\$6,000	\$600	\$6,600
	Install timers on drinking fountains	7	ea	\$100.00	\$700	\$100	\$800
Remodeling subtotal							\$73,000
Technology Infrastructure	(wiring, switches, security cameras, data drops)	1	ls	\$342,750	\$342,750	\$0	\$342,750
Instructional Technology Equipment	(student computers, interactive boards, printers)	1	ls	\$1,073,400	\$1,073,400	\$0	\$1,073,400
Loose Furnishings/Equipment							
	Non-instructional tech equip (office computers)	1	ls	\$25,900	\$25,900	\$0	\$25,900
	Replace furniture and furnishings	1	ls	\$35,000	\$35,000	\$0	\$35,000
	Replace copiers	1	ls	\$26,000	\$26,000	\$0	\$26,000
	Replace equipment	1	ls	\$10,000	\$10,000	\$0	\$10,000
F, F, & E subtotal							\$96,900
Total Construction/Technology/Loose Equipment Budget							\$1,733,500
Construction Contingency							\$19,800
Plan Review / Inspection Fees / Cx							\$3,600
Construction General Conditions							\$9,600
CM Fee / Reimbursables							\$17,742
A/E Fee / Reimbursables							\$16,800
Technology General Conditions							\$14,400
Technology Designer / Manager							\$100,900
Total Project Budget							\$1,916,342

The list shown describes the general intent of the project.
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Southfield, Michigan

Chippewa Valley Schools

Clinton Township, MI

FINAL DRAFT 10/23/2009

Wyandot Middle School

Building Project Work List

Category	Work Item Description	Qty.	Unit	Unit Cost	Projected Cost	Escalation	Total Budget
Site Work							
	Replace concrete sidewalks and/or drives	5,000	sf	\$5.50	\$27,500	\$2,800	\$30,300
	Add landscaping (between lot and football)	1	ls	\$5,000.00	\$5,000	\$500	\$5,500
	Add site lighting	1	ls	\$30,000.00	\$30,000	\$3,100	\$33,100
	Improve site signage and furnishings	1	ls	\$25,000.00	\$25,000	\$2,600	\$27,600
	Repave parking lot	50,000	sf	\$3.00	\$150,000	\$15,400	\$165,400
					Site work subtotal		\$261,900
Remodeling Work							
Exterior Work							
	Install catwalk around new chiller	1	ls	\$7,500.00	\$7,500	\$800	\$8,300
	Install walk over chiller piping on roof	1	ls	\$5,000.00	\$5,000	\$500	\$5,500
	Install metal soffit around exterior of building	2,000	sf	\$25.00	\$50,000	\$5,100	\$55,100
	Expand card access system	5	ea	\$1,500.00	\$7,500	\$800	\$8,300
	Replace roof	92,000	sf	\$10.00	\$920,000	\$94,300	\$1,014,300
	Replace drywall on main entrance soffit	1	ls	\$5,000.00	\$5,000	\$500	\$5,500
Interior Work							
	Replace carpet in classrooms	4	ea	\$4,000.00	\$16,000	\$1,600	\$17,600
	Replace soffit plaster system	1,000	sf	\$25.00	\$25,000	\$2,600	\$27,600
	Add sound panels to cafeteria	300	sf	\$50.00	\$15,000	\$1,500	\$16,500
	Replace conference room door w/ sound dr	1	ea	\$3,000.00	\$3,000	\$300	\$3,300
	Add acoustical treatment to practice rooms	1	ls	\$15,000.00	\$15,000	\$1,500	\$16,500
	Convert 4th science lab to 3rd computer lab	1,200	sf	\$100.00	\$120,000	\$12,300	\$132,300
	Replace drywall in library by skylights	1	ls	\$10,000.00	\$10,000	\$1,000	\$11,000
	Renovate student restrooms (floors, partitions, etc.)	4	ea	\$20,000.00	\$80,000	\$8,200	\$88,200
	Add storage to inner classes in 6th and 7th grade halls	4	ea	\$1,500.00	\$6,000	\$600	\$6,600
	Add storage in rooms 309,311,313,315	4	ea	\$1,500.00	\$6,000	\$600	\$6,600
	Update staff restrooms (floors, ceilings, etc.)	2	ea	\$10,000.00	\$20,000	\$2,100	\$22,100
	Reconfigure dark room	1	ls	\$5,000.00	\$5,000	\$500	\$5,500
Mechanical Work							
	Replace all restroom fixtures	6	ea	\$15,000.00	\$90,000	\$9,200	\$99,200
	Replace sinks and fixtures in art room	1	ls	\$15,000.00	\$15,000	\$1,500	\$16,500
	Replace all unit heaters	5	ea	\$10,000.00	\$50,000	\$5,100	\$55,100
	Replace original AHUs	1	ls	\$100,000.00	\$100,000	\$10,300	\$110,300
	Update air ventilation in ancillary offices	1	ls	\$25,000.00	\$25,000	\$2,600	\$27,600
Electrical Work							
	Add dust collector to wood shop	1	ls	\$50,000.00	\$50,000	\$5,100	\$55,100
	Add occupancy sensors	30	ea	\$400.00	\$12,000	\$1,200	\$13,200
	Install timer for water heating circ pump	1	ls.	\$3,500.00	\$3,500	\$400	\$3,900
	Install timer on vending machine	2	ea	\$1,000.00	\$2,000	\$200	\$2,200
	Install timers on drinking fountains	7	ea	\$100.00	\$700	\$100	\$800
	Replace exterior wall packs	1	ls	\$15,000.00	\$15,000	\$1,500	\$16,500
	Replace gym lighting with T5 fixtures	6,000	sf	\$6.00	\$36,000	\$3,700	\$39,700
	Replace wood shop lighting	2,000	sf	\$5.00	\$10,000	\$1,000	\$11,000
	Replace fire alarm panel	1	ls	\$10,000.00	\$10,000	\$1,000	\$11,000
					Remodeling subtotal		\$1,912,900
Technology Infrastructure		1	ls	\$624,750	\$624,750	\$0	\$624,750
(wiring, switches, security cameras, data drops)							
Instructional Technology Equipment		1	ls	\$1,032,300	\$1,032,300	\$0	\$1,032,300
(student computers, interactive boards, printers)							
Loose Furnishings/Equipment							
	Non-instructional tech equip (office computers)	1	ls	\$27,100	\$27,100	\$0	\$27,100
	Replace furniture and furnishings	1	ls	\$64,850	\$64,850	\$0	\$64,850
	Replace copiers	1	ls	\$26,000	\$26,000	\$0	\$26,000
	Replace equipment	1	ls	\$10,000	\$10,000	\$0	\$10,000
					F, F, & E subtotal		\$127,950

Total Construction/Technology/Loose Equipment Budget \$3,959,800

Construction Contingency	\$195,700
Plan Review / Inspection Fees / Cx	\$35,600
Construction General Conditions	\$94,800
CM Fee / Reimbursables	\$175,063
A/E Fee / Reimbursables	\$165,900
Technology General Conditions	\$16,800
Technology Designer / Manager	\$117,900

Total Project Budget \$4,761,563

The list shown describes the general intent of the project.
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Chippewa Valley High School
Building Project Work List

Category	Work Item Description	Qty.	Unit	Unit Cost	Projected Cost	Escalation	Total Budget
Site Work							
	Replace concrete sidewalks and/or drives	10,000	sf	\$5.50	\$55,000	\$5,600	\$60,600
	Repave (Greenfield) parking lot	15,000	sf	\$3.00	\$45,000	\$4,600	\$49,600
	Replace bleachers	4	ea	\$25,000.00	\$100,000	\$10,300	\$110,300
	Improve landscaping at front of school	1	all	\$25,000.00	\$25,000	\$2,600	\$27,600
	Resurface track	1	ls	\$75,000.00	\$75,000	\$7,700	\$82,700
	Replace wind screen around ball diamonds	1	ls	\$15,000.00	\$15,000	\$1,500	\$16,500
	Replace parking lot lighting	20	ea	\$12,500.00	\$250,000	\$25,600	\$275,600
	Improve site signage and furnishings	1	ls	\$25,000.00	\$25,000	\$2,600	\$27,600
					Site work subtotal		\$650,500
Remodeling Work							
Exterior Work							
	Reconstruct brick walls with metal panels	1	ls	\$250,000.00	\$250,000	\$25,600	\$275,600
	Expand card access system	20	ea	\$1,500.00	\$30,000	\$3,100	\$33,100
Interior Work							
	Replace carpet	50,000	sf	\$5.00	\$250,000	\$25,600	\$275,600
	Replace main gym bleachers	1,500	ea	\$100.00	\$150,000	\$15,400	\$165,400
	Replace auxiliary gym floor	5,000	sf	\$15.00	\$75,000	\$7,700	\$82,700
	Replace main gym floor	12,500	sf	\$15.00	\$187,500	\$19,200	\$206,700
	Shade glass block windows in pool area	1	ls	\$15,000.00	\$15,000	\$1,500	\$16,500
	Add shower dividers at stadium	2	ea	\$5,000.00	\$10,000	\$1,000	\$11,000
	Replace baseball and basketball net cabling	1	ls	\$5,000.00	\$5,000	\$500	\$5,500
	Replace gym curtain	1	ls	\$10,000.00	\$10,000	\$1,000	\$11,000
	Replace all toilet room partitions	6	ea	\$5,000.00	\$30,000	\$3,100	\$33,100
	Replace fire extinguishers & cabinets throughout	40	ea	\$500.00	\$20,000	\$2,100	\$22,100
	Add swimming pool cover (automatic)	6,000	sf	\$5.00	\$30,000	\$3,100	\$33,100
	Remodel locker rooms and athletic areas	6,000	sf	\$75.00	\$450,000	\$46,100	\$496,100
	Replace doors/frames/hardware	18	ea	\$3,000.00	\$54,000	\$5,500	\$59,500
Mechanical Work							
	Replace showerheads in locker rooms	6	ea	\$1,500.00	\$9,000	\$900	\$9,900
	Replace all vestibule heaters	1	ls	\$40,000.00	\$40,000	\$4,100	\$44,100
	Replace RTU 1 & 2	2	ea	\$65,000.00	\$130,000	\$13,300	\$143,300
	Replace condensing unit for AHU 18	1	ls	\$20,000.00	\$20,000	\$2,100	\$22,100
	Add Bass sensors in all stadium rooms	1	ls	\$25,000.00	\$25,000	\$2,600	\$27,600
	Replace pneumatic actuators on AHU 1-14, 16, 18	16	ea	\$5,000.00	\$80,000	\$8,200	\$88,200
	Replace frequency drives on AHU 13,17,18	3	ea	\$15,000.00	\$45,000	\$4,600	\$49,600
	Replace science lab exhaust fans	1	ls	\$20,000.00	\$20,000	\$2,100	\$22,100
	Replace tri facial sinks and fixtures in science rooms	1	ls	\$15,000.00	\$15,000	\$1,500	\$16,500
	Replace Sloan valves in all restrooms	1	ls	\$35,000.00	\$35,000	\$3,600	\$38,600
	Replace drinking fountains by gym	1	ls	\$10,000.00	\$10,000	\$1,000	\$11,000
	Replace dielectric unions and couplings with b valves	1	ls	\$75,000.00	\$75,000	\$7,700	\$82,700
	Change pool chlorine system to solid tablets	1	ls	\$50,000.00	\$50,000	\$5,100	\$55,100
	Replace domestic hot water boilers and pumps upstairs	1	ls	\$225,000.00	\$225,000	\$23,100	\$248,100
	Replace pneumatic compressor	1	ls	\$15,000.00	\$15,000	\$1,500	\$16,500
	Replace glycol fill station	1	ls	\$75,000.00	\$75,000	\$7,700	\$82,700
	Replace hot water mixing valve and actuator	1	ls	\$15,000.00	\$15,000	\$1,500	\$16,500
	Replace primary and secondary heat pumps	1	ls	\$125,000.00	\$125,000	\$12,800	\$137,800
	Add A/C unit to pool scoring room	1	ls	\$25,000.00	\$25,000	\$2,600	\$27,600
Electrical Work							
	Replace sound system in aux gym	1	ls	\$15,000.00	\$15,000	\$1,500	\$16,500
	Replace auditorium general lights (lower)	1	ls	\$200,000.00	\$200,000	\$20,500	\$220,500
	Add occupancy sensors	100	ea	\$400.00	\$40,000	\$4,100	\$44,100
	Replace T12 lights with T8 lighting	300,000	sf	\$5.00	\$1,500,000	\$153,800	\$1,653,800
	Replace gymnasium light fixtures	20,000	sf	\$6.00	\$120,000	\$12,300	\$132,300
	Install timer for water heating circ pump	1	ls	\$6,000.00	\$6,000	\$600	\$6,600
	Install timer on vending machine	12	ea	\$1,000.00	\$12,000	\$1,200	\$13,200
	Install timers on drinking fountains	20	ea	\$100.00	\$2,000	\$200	\$2,200
	Replace all exterior building lighting	1	ls	\$50,000.00	\$50,000	\$5,100	\$55,100
	Replace pool lighting	20,000	ls	\$7.50	\$150,000	\$15,400	\$165,400
					Remodeling subtotal		\$5,176,700
	Technology Infrastructure (wiring, switches, security cameras, data drops)	1	ls	\$970,500	\$970,500	\$0	\$970,500
	Instructional Technology Equipment (student computers, interactive boards, printers)	1	ls	\$2,759,650	\$2,759,650	\$0	\$2,759,650
Loose Furnishings/Equipment							
	Non-instructional tech equip (office computers)	1	ls	\$53,200	\$53,200	\$0	\$53,200
	Replace furniture, furnishings and lockers	1	ls	\$610,000	\$610,000	\$0	\$610,000
	Replace copiers	1	ls	\$60,000	\$60,000	\$0	\$60,000
	Replace equipment	1	ls	\$550,000	\$550,000	\$0	\$550,000
					F, F, & E subtotal		\$1,273,200
Total Construction/Technology/Loose Equipment Budget							\$10,830,550
Construction Contingency							\$524,400
Plan Review / Inspection Fees / Cx							\$95,300
Construction General Conditions							\$254,100
CM Fee / Reimbursables							\$469,070
A/E Fee / Reimbursables							\$444,600
Technology General Conditions							\$37,800
Technology Designer / Manager							\$264,800
Total Project Budget							\$12,920,620

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