

Series 1 Forecast (in millions)

	Budget (a)	Awarded (b)	Un-Awarded (c)	Savings (a-b-c)
Construction	50,221	48,919	1,302	0
Technology	9,350	3,455	1,090	4,815
FF&E	2,007	792	1,215	0
Owner	11,062	9,761	827	474
Total	72,640	62,917	4,434	5,289

The costs highlighted green in the "Awarded" column above correspond to the project budgets also highlighted green on the attached bond worklist.

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Adams Elementary School
 1005 Adams St., Midland, MI 48642
Building Project Work List

Date: 10/1/2014 site visit: 6/30/2014
 Grades: K-5 enrollment: x
 Year Built: 1962
 Building Size: 44,725 capacity: x
 Site Size: 16,000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
NEW CONSTRUCTION									
<u>Addition</u>									
	Cafeteria/Gym	6,500	sf	190.00	\$1,235,000	\$308,750	\$1,543,750		1
	Stage	1,500	sf	190.00	\$285,000	\$71,250	\$356,250		1
	Kitchen	400	sf	200.00	\$80,000	\$20,000	\$100,000		1
	Toilet Rooms	400	sf	250.00	\$100,000	\$25,000	\$125,000		1
	Storage/Circulation	700	sf	150.00	\$105,000	\$26,250	\$131,250		1
	New Construction Subtotal:	9,500		190.00	\$1,805,000			\$2,256,250	
ARCHITECTURAL WORK									
<u>Environmental</u>									
	Abate asbestos floor tile	30	ksf	1,500.00	\$45,000	\$11,250	\$56,250	In classrooms	1
	Abate asbestos at mechanical	1	ls	5,000.00	\$5,000	\$1,250	\$6,250		1
<u>Building Envelope</u>									
	Replace doors, frames and hardware	26	ea	3,000.00	\$78,000	\$19,500	\$97,500		1
	Replace glazing systems	2,100	sf	60.00	\$126,000	\$31,500	\$157,500		1
<u>Interior Construction</u>									
	Replace doors, frames and hardware	26	ea	2,000.00	\$52,000	\$13,000	\$65,000	classrooms only	1
	Replace flooring	30,000	sf	4.25	\$127,500	\$31,875	\$159,375	Classrooms	1
	Replace visual display boards	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	chalk to marker	1
	Replace toilet partitions & accessories	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	metal to plastic	1
	Replace casework	400	lf	425.00	\$170,000	\$42,500	\$212,500	original wood	1
	Remodel toilet rooms	1	ls	8,000.00	\$8,000	\$2,000	\$10,000	flooring and partitions	1
	Modify lobby to create secure entrance	2,000	sf	100.00	\$200,000	\$50,000	\$250,000		1
	Convert gym to media center	3,500	sf	75.00	\$262,500	\$65,625	\$328,125	includes "Learn Lab"	1
	Renovate media center to breakout lab	1,000	sf	50.00	\$50,000	\$12,500	\$62,500		1
	Renovations to connect to addition	9,500	sf	5.00	\$47,500	\$11,875	\$59,375		1
	Architectural Work Subtotal:				\$1,221,500			\$1,526,875	
MECHANICAL WORK									
<u>H.V.A.C.</u>									
	Replace Boiler/pumps (elementary)	2	ea	100,000.00	\$200,000	\$50,000	\$250,000		1
	Replace Condensate Pump Units	2	ea	15,000.00	\$30,000	\$7,500	\$37,500		1
	Replace indoor Air Handling Units	2	ea	30,000.00	\$60,000	\$15,000	\$75,000		1
	Replace Office Heat/Vent units with new Roof Top	1	ea	20,000.00	\$20,000	\$5,000	\$25,000	5 Ton RTU	1
	Replace Classroom Heating and Ventilation Units	5	ea	25,000.00	\$125,000	\$31,250	\$156,250		1
	Replace Gym Heating & Ventilation unit	1	ea	40,000.00	\$40,000	\$10,000	\$50,000		1
	Add AC to Tech Closet	1	ea	10,000.00	\$10,000	\$2,500	\$12,500	MDF	1
	Replace Steam Humidifiers	2	ea	8,000.00	\$16,000	\$4,000	\$20,000		1
	Replace Cabinet Unit Heaters	6	ea	5,000.00	\$30,000	\$7,500	\$37,500		1
	Replace Exhaust Fans	4	ea	4,000.00	\$16,000	\$4,000	\$20,000		1
<u>Temperature Controls</u>									
	Replace all pneumatic controls with Digital	44,745	SF	2.25	\$100,700	\$25,175	\$125,875		1
	Mechanical Work Subtotal:				\$647,700			\$809,625	
ELECTRICAL WORK									
<u>Electrical-Power</u>									
	Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
<u>Lighting</u>									
	Upgrade Site Lighting	1	LS	30,000.00	\$30,000	\$7,500	\$37,500		1
	Upgrade Exterior building mounted Lighting	1	LS	14,000.00	\$14,000	\$3,500	\$17,500		1
	Add Occupancy Sensors	1	LS	7,000.00	\$7,000	\$1,750	\$8,750		1
	Upgrade Showcase Lighting	1	LS	1,500.00	\$1,500	\$375	\$1,875		1
	Electrical Work Subtotal:				\$57,500			\$71,875	

MIDLAND PUBLIC SCHOOLS
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Adams Elementary School
 1005 Adams St., Midland, MI 48642
Building Project Work List

Date: 10/1/2014 site visit: 6/30/2014
 Grades: K-5 enrollment: x
 Year Built: 1962
 Building Size: 44,725 capacity: x
 Site Size: 16,000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
TECHNOLOGY INFRASTRUCTURE									
Cabling Infrastructure									
	Remove Category 5 and/or supporting legacy cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
	Fiber backbone to IDFs for 10G	1	ea	2,500.00	\$2,500	\$625	\$3,125		1
	Additional voice/data structured cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
	Allowance for cabling to support series 2 needs	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		2
Network / Wireless / Phone									
	Replace network infr. - building core	1	ea	13,000.00	\$13,000	\$3,250	\$16,250		2
	Replace network infr. - edge switches	11	ea	4,200.00	\$46,200	\$11,550	\$57,750	Based on existing plus 1 per closet growth	2
	Replace UPS in each telecommunication room	2	ea	3,000.00	\$6,000	\$1,500	\$7,500		2
	Network infrastructure for Series 1 needs	1	ls	16,300.00	\$16,300	\$4,075	\$20,375		1
	Replace wireless infrastructure	34	ea	950.00	\$32,300	\$8,075	\$40,375		2
	Replace phone system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		2
Clock System									
	Replace clock system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		1
Security									
	Video surveillance	1	ls	18,000.00	\$18,000	\$4,500	\$22,500		1
	Expand access control	1	ls	9,500.00	\$9,500	\$2,375	\$11,875		1
	Install district-wide PA system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		1
Technology Infrastructure Subtotal:					\$233,800			\$292,250	
Remodeling Subtotal:					\$2,160,500				
SITE WORK									
Site Infrastructure									
	Demo modular building & restoration	2	ea	10,000.00	\$20,000	\$5,000	\$25,000	(2) 1000 SF modular buildings and 160'x5'	1
	Improve site furnishings	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	bike racks, flag pole, fencing	1
	Improve site grading / landscaping	1	allo	25,000.00	\$25,000	\$6,250	\$31,250	lower catch basin at east hard surface play	1
	Site Work for Addition	9,500	sf	8.00	\$76,000	\$19,000	\$95,000	utilities, paving, restoration	1
Site Paving									
	Replace site concrete	1	allo	25,000.00	\$25,000	\$6,250	\$31,250	Remove metal grates in front of exterior dc	1
	Repave parking and drives	7	ksf	2,500.00	\$17,500	\$4,375	\$21,875	Replace paved play area	1
Playfields (playground/athletics)									
	Replace asphalt play area	4	ksf	2,500.00	\$10,000	\$2,500	\$12,500		2
	Improve playground / playfield area	1	ls	40,000.00	\$40,000	\$10,000	\$50,000		2
Site Work Subtotal:					\$228,500			\$285,625	
INSTRUCTIONAL TECHNOLOGY EQUIPMENT									
Computers and Mobile Devices									
	Replace teacher/staff laptops	27	ea	1,000.00	\$27,000	\$6,750	\$33,750		1
	Mobile devices for teachers/staff	27	ea	650.00	\$17,550	\$4,388	\$21,938		1
	Replace student laptop carts	1	ea	34,500.00	\$34,500	\$8,625	\$43,125	Replace laptops only, use existing cart	1
	Mobile devices for students (does not include cart)	473	ea	650.00	\$307,450	\$76,863	\$384,313	Based on 2013 enrollment +5%	1
	Technology equipment - Series 2	1	ls	386,500.00	\$386,500	\$38,650	\$425,150		2
	Technology equipment - Series 3	1	ls	325,000.00	\$325,000	\$32,500	\$357,500		3
Classroom Technologies									
	Install classroom/lab projectors	24	ea	1,800.00	\$43,200	\$10,800	\$54,000		1
	Install sound field amplification	24	ea	1,250.00	\$30,000	\$7,500	\$37,500		1
	Document camera	5	ea	550.00	\$2,750	\$688	\$3,438		1
	Refresh classroom projector	1	ls	43,200.00	\$43,200	\$10,800	\$54,000		3
Technology Equipment subtotal:					\$1,217,150			\$1,414,713	

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Adams Elementary School 1005 Adams St., Midland, MI 48642 Building Project Work List	Date: 10/1/2014	site visit: 6/30/2014
	Grades: K-5	enrollment: x
	Year Built: 1962	
	Building Size: 44,725	capacity: x
	Site Size: 16,000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS									
	Replace BW printers	3	ea	600.00	\$1,800	\$450	\$2,250		1
	Replace BW MFP printers	2	ea	7,500.00	\$15,000	\$3,750	\$18,750		1
	Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		1
	Replace Point of Sale (POS) equipment / Food Service	2	ea	1,000.00	\$2,000	\$500	\$2,500		1
Technology - Audiovisual									
	Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		1
	Conference room / IEP displays	1	ls	2,500.00	\$2,500	\$625	\$3,125		1
	Enhance gym sound system	1	ea	2,000.00	\$2,000	\$500	\$2,500		1
	Digital Signage	1	ea	2,800.00	\$2,800	\$700	\$3,500		1
Furniture & Furnishings									
	Replacement furniture & furnishings	44,725	ea	1.75	\$78,300	\$9,396	\$87,696	classroom desks and chairs	2
	Furniture for Addition	9,500	sf	3.00	\$28,500	\$3,420	\$31,920	cafeteria tables and gym equipment	1
F, F, & E Subtotal:					\$177,900			\$208,491	

TOTAL DIRECT COSTS:	\$5,589,050	\$6,865,704
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Project Contingency:	\$558,905
General Conditions:	\$97,551
CM Fee / Reimbursables:	\$310,099
A/E Fee / Reimbursables:	\$310,099

TOTAL PROJECT COSTS:	\$6,865,704
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\$6,865,704 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS			Date: 10/1/2014	site visit: 6/30/2014
District Wide Facility Assessment			Grades: K-5	enrollment: x
Chestnut Hill Elementary School			Year Built: 1957	
3900 Chestnut Hill St., Midland MI, 48642			Building Size: 41,407	capacity: x
Building Project Work List			Site Size: 11,000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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NEW CONSTRUCTION

<u>Addition</u>									
	Cafeteria/Gym	6,500	sf	190.00	\$1,235,000	\$308,750	\$1,543,750		1
	Stage	1,500	sf	190.00	\$285,000	\$71,250	\$356,250		1
	Kitchen	400	sf	200.00	\$80,000	\$20,000	\$100,000		1
	Toilet Rooms	400	sf	250.00	\$100,000	\$25,000	\$125,000		1
	Storage/Circulation	700	sf	150.00	\$105,000	\$26,250	\$131,250		1
New Construction Subtotal:		9,500		190.00	\$1,805,000			\$2,256,250	

ARCHITECTURAL WORK

<u>Environmental</u>									
	Abate asbestos floor tile	10	ksf	1,500.00	\$15,000	\$3,750	\$18,750	classrooms 15-22, art room	1
	Abate asbestos at mechanical	1	ls	5,000.00	\$5,000	\$1,250	\$6,250		1
<u>Building Envelope</u>									
	Replace roof system	41,407	sf	9.00	\$372,700	\$93,175	\$465,875	Roof ponding above eastern classroom wi	1
	Demo chimney	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		1
	Add masonry joints in brick	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		1
	Replace doors, frames and hardware	70	ea	3,000.00	\$210,000	\$52,500	\$262,500		1
	Replace glazing systems	4,000	sf	60.00	\$240,000	\$60,000	\$300,000		1
	Add/adjust downspouts and gutters	1	allo	20,000.00	\$20,000	\$5,000	\$25,000	No downspouts anywhere on building	1
<u>Demolition</u>									
	Demo pedestals	10	ea	1,000.00	\$10,000	\$2,500	\$12,500	Masonry pedestals in media center	1
<u>Interior Construction</u>									
	Replace doors, frames and hardware	27	ea	2,000.00	\$54,000	\$13,500	\$67,500	classrooms only	1
	Install sound deadening panels	1	allo	25,000.00	\$25,000	\$6,250	\$31,250	Sound issues/echoes reported in gym/mec	1
	Replace flooring	30,000	sf	4.25	\$127,500	\$31,875	\$159,375	Carpet stains in classrooms	1
	Replace visual display boards	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	chalk to marker	1
	Replace toilet partitions & accessories	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	metal to plastic	1
	Replace casework	400	lf	425.00	\$170,000	\$42,500	\$212,500	original wood	1
	Remodel toilet rooms	1	ls	8,000.00	\$8,000	\$2,000	\$10,000	"shared" kindergarten restrooms	1
	Modify lobby to create secure entrance	1,000	sf	100.00	\$100,000	\$25,000	\$125,000		1
	Convert gym to media center	3,000	sf	75.00	\$225,000	\$56,250	\$281,250	includes "Learn Lab"	1
	Renovate media center to breakout lab	1,700	sf	50.00	\$85,000	\$21,250	\$106,250		1
	Renovations to connect to addition	9,500	sf	5.00	\$47,500	\$11,875	\$59,375		1
Architectural Work Subtotal:					\$1,784,700			\$2,230,875	

MECHANICAL WORK

<u>Plumbing</u>									
	Replace galvanized domestic water piping	600	LF	40.00	\$24,000	\$6,000	\$30,000		1
	Replace lavatory Faucets	16	ea	250.00	\$4,000	\$1,000	\$5,000		1
	Replace DF with EWC w/bottle fill	1	ea	5,000.00	\$5,000	\$1,250	\$6,250		1
<u>H.V.A.C.</u>									
	Replace Unit Ventilators with new vertical Unit Vents	12	ea	16,000.00	\$192,000	\$48,000	\$240,000		1
	Replace indoor Air Handling Units	2	ea	30,000.00	\$60,000	\$15,000	\$75,000		1
	Replace Office Heating & Venting Units	1	ea	20,000.00	\$20,000	\$5,000	\$25,000	5 Ton RTU	1
	Replace Classroom Heating & Venting Units	3	ea	25,000.00	\$75,000	\$18,750	\$93,750		1
	Replace Gym Heating & Venting unit	1	ea	40,000.00	\$40,000	\$10,000	\$50,000		1
	Add AC to Tech Closet	2	ea	10,000.00	\$20,000	\$5,000	\$25,000	MDF and IDF	1
	Replace Steam Humidifiers	2	ea	8,000.00	\$16,000	\$4,000	\$20,000		1
	Replace Cabinet Unit Heaters	6	ea	5,000.00	\$30,000	\$7,500	\$37,500		1
	Replace Exhaust Fans	3	ea	4,000.00	\$12,000	\$3,000	\$15,000		1
	Replace Relief/Intake Hood	7	ea	2,500.00	\$17,500	\$4,375	\$21,875		1
<u>Temperature Controls</u>									
	Replace all pneumatic controls with Digital	41,407	SF	2.25	\$93,200	\$23,300	\$116,500		1
Mechanical Work Subtotal:					\$608,700			\$760,875	

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Chestnut Hill Elementary School 3900 Chestnut Hill St., Midland MI, 48642 Building Project Work List	Date: 10/1/2014	site visit: 6/30/2014
	Grades: K-5	enrollment: x
	Year Built: 1957	
	Building Size: 41,407	capacity: x
	Site Size: 11.000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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ELECTRICAL WORK

Electrical-Power									
	Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
Lighting									
	Media Center Dome Lighting	1	ls	10,000.00	\$10,000	\$2,500	\$12,500		1
	Upgrade Gym Lighting	1	ls	30,000.00	\$30,000	\$7,500	\$37,500	Lighting updated in 2004	1
	Upgrade Site Lighting	1	ls	30,000.00	\$30,000	\$7,500	\$37,500	Lighting updated in 2004	1
	Upgrade Exterior building mounted Lighting	1	ls	9,800.00	\$9,800	\$2,450	\$12,250	Lighting updated in 2004	1
	Add Exterior Emergency Egress Lighting	1	ls	12,000.00	\$12,000	\$3,000	\$15,000		1
	Add Occupancy Sensors	1	LS	7,000.00	\$7,000	\$1,750	\$8,750		1
Electrical Work Subtotal:					\$103,800			\$129,750	

TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure									
	Remove Category 5 and/or supporting legacy cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
	Fiber backbone to IDFs for 10G	1	ea	2,500.00	\$2,500	\$625	\$3,125		1
	Additional voice/data structured cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
	Allowance for cabling to support series 2 needs	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		2
Network / Wireless / Phone									
	Replace network infr. - building core	1	ea	13,000.00	\$13,000	\$3,250	\$16,250		2
	Replace network infr. - edge switches	11	ea	4,200.00	\$46,200	\$11,550	\$57,750	Based on existing plus 1 per closet growth	2
	Replace UPS in each telecommunication room	2	ea	3,000.00	\$6,000	\$1,500	\$7,500		2
	Network infrastructure for Series 1 needs	1	ls	16,300.00	\$16,300	\$4,075	\$20,375		1
	Replace wireless infrastructure	33	ea	950.00	\$31,350	\$7,838	\$39,188		2
	Replace phone system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		2
Clock System									
	Replace clock system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		1
Security									
	Video surveillance	1	ls	18,000.00	\$18,000	\$4,500	\$22,500		1
	Expand access control	1	ls	9,500.00	\$9,500	\$2,375	\$11,875		1
	Install district-wide PA system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		1
Technology Infrastructure Subtotal:					\$232,850			\$291,063	

Remodeling Subtotal:	\$2,730,050
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SITE WORK

Site Infrastructure									
	Demo modular building & restoration	2	ea	10,000.00	\$20,000	\$5,000	\$25,000		1
	Improve site furnishings	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	bike racks, flag pole, fencing	1
	Improve site grading / landscaping	1	allo	75,000.00	\$75,000	\$18,750	\$93,750	Overgrown fence line, french drain around	1
	Site Work for Addition	9,500	sf	8.00	\$76,000	\$19,000	\$95,000	utilities, paving, restoration	1
Site Paving									
	Replace site concrete	1	allo	25,000.00	\$25,000	\$6,250	\$31,250	Extend parking lot and sidewalk to east, re	1
	Repave parking and drives	26	ksf	2,500.00	\$65,000	\$16,250	\$81,250	South parking lot repairs	1
	Install new parking areas (w/ storm system)	20	ksf	7,500.00	\$150,000	\$37,500	\$187,500	Extend south parking lot to east	1
Playfields (playground/athletics)									
	Improve playground / playfield area	1	ls	40,000.00	\$40,000	\$10,000	\$50,000	New play area needed	2
Site Work Subtotal:					\$466,000			\$582,500	

MIDLAND PUBLIC SCHOOLS		Date: 10/1/2014	site visit: 6/30/2014
District Wide Facility Assessment		Grades: K-5	enrollment: x
Chestnut Hill Elementary School		Year Built: 1957	
3900 Chestnut Hill St., Midland MI, 48642		Building Size: 41,407	capacity: x
Building Project Work List		Site Size: 11,000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices									
	Replace teacher/staff laptops	29	ea	1,000.00	\$29,000	\$7,250	\$36,250		1
	Mobile devices for teachers/staff	29	ea	650.00	\$18,850	\$4,713	\$23,563		1
	Replace student laptop carts	1	ea	34,500.00	\$34,500	\$8,625	\$43,125	Replace laptops only, use existing cart	1
	Mobile devices for students (does not include cart)	483	ea	650.00	\$313,950	\$78,488	\$392,438	Based on 2013 enrollment +5%	1
	Technology equipment - Series 2	1	ls	396,300.00	\$396,300	\$39,630	\$435,930		2
	Technology equipment - Series 3	1	ls	332,800.00	\$332,800	\$33,280	\$366,080		3
Classroom Technologies									
	Install classroom/lab projectors	23	ea	1,800.00	\$41,400	\$10,350	\$51,750		1
	Install sound field amplification	23	ea	1,250.00	\$28,750	\$7,188	\$35,938		1
	Document camera	5	ea	550.00	\$2,750	\$688	\$3,438		1
	Refresh classroom projector	1	ls	41,400.00	\$41,400	\$10,350	\$51,750		3
Technology Equipment Subtotal:					\$1,239,700		\$1,440,260		

FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS									
	Replace BW printers	1	ea	600.00	\$600	\$150	\$750		1
	Replace BW MFP printers	2	ea	7,500.00	\$15,000	\$3,750	\$18,750		1
	Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		1
	Replace Point of Sale (POS) equipment / Food Service	2	ea	1,000.00	\$2,000	\$500	\$2,500		1
Technology - Audiovisual									
	Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		1
	Conference room / IEP displays	1	ls	2,500.00	\$2,500	\$625	\$3,125		1
	Enhance gym sound system	1	ea	2,000.00	\$2,000	\$500	\$2,500		1
	Digital Signage	1	ea	2,800.00	\$2,800	\$700	\$3,500		1
Furniture & Furnishings									
	Replacement furniture & furnishings	41,407	sf	1.75	\$72,500	\$8,700	\$81,200	classroom desks and chairs	2
	Furniture for Addition	9,500	sf	3.00	\$28,500	\$3,420	\$31,920	cafeteria tables and gym equipment	1
F, F, & E Subtotal:					\$170,900		\$200,495		

TOTAL DIRECT COSTS:	\$6,411,650	\$7,892,068
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Project Contingency:	\$641,165
General Conditions:	\$113,651
CM Fee / Reimbursables:	\$362,801
A/E Fee / Reimbursables:	\$362,801

TOTAL PROJECT COSTS:	\$7,892,068	\$7,892,068 check #
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Notes:
 Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Plymouth Elementary School 1105 E. Sugnet Rd., Midland, MI 48642 Building Project Work List	Date: 10/1/2014	site visit: 6/30/2014
	Grades: K-5	enrollment: x
	Year Built: 1952	
	Building Size: 40,812	capacity: x
	Site Size: 14.000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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NEW CONSTRUCTION

<u>Addition</u>									
	Cafeteria/Gym	6,500	sf	190.00	\$1,235,000	\$308,750	\$1,543,750		1
	Stage	1,500	sf	190.00	\$285,000	\$71,250	\$356,250		1
	Kitchen	400	sf	200.00	\$80,000	\$20,000	\$100,000		1
	Toilet Rooms	400	sf	250.00	\$100,000	\$25,000	\$125,000		1
	Storage/Circulation	700	sf	150.00	\$105,000	\$26,250	\$131,250		1
New Construction Subtotal:		9,500		190.00	\$1,805,000			\$2,256,250	

ARCHITECTURAL WORK

<u>Environmental</u>									
	Abate asbestos floor tile	26	ksf	1,500.00	\$39,000	\$9,750	\$48,750		1
	Abate asbestos at mechanical	1	ls	5,000.00	\$5,000	\$1,250	\$6,250		1
<u>Building Envelope</u>									
	Add masonry joints in brick	1,600	sf	10.00	\$16,000	\$4,000	\$20,000	bottom 2' of front and back walls	1
	Replace doors, frames and hardware	70	ea	3,000.00	\$210,000	\$52,500	\$262,500		1
	Replace glazing systems	4,800	sf	60.00	\$288,000	\$72,000	\$360,000		1
<u>Interior Construction</u>									
	Replace doors, frames and hardware	26	ea	2,000.00	\$52,000	\$13,000	\$65,000	classrooms only	1
	Replace flooring	35,000	sf	4.25	\$148,800	\$37,200	\$186,000		1
	Replace visual display boards	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	chalk to marker	1
	Replace toilet partitions & accessories	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	metal to plastic	1
	Replace casework	400	lf	425.00	\$170,000	\$42,500	\$212,500	original wood	1
	Remodel toilet rooms	1	ls	8,000.00	\$8,000	\$2,000	\$10,000	"shared" kindergarten restrooms, other res	1
	Renovate media center to secure main office	1,500	sf	100.00	\$150,000	\$37,500	\$187,500		1
	Modify lobby to create secure entrance	500	sf	100.00	\$50,000	\$12,500	\$62,500		1
	Convert gym to media center	2,000	sf	75.00	\$150,000	\$37,500	\$187,500	includes "Learn Lab"	1
	Renovations to connect to addition	9,500	allo	5.00	\$47,500	\$11,875	\$59,375		1
Architectural Work Subtotal:					\$1,384,300		\$1,730,375		

MECHANICAL WORK

<u>H.V.A.C.</u>									
	Replace rusted boiler stacks	2	ea	5,000.00	\$10,000	\$2,500	\$12,500		1
	Replace Unit Ventilators with new vertical Unit Vents	21	ea	16,000.00	\$336,000	\$84,000	\$420,000		1
	Replace Classroom Heating & Venting Units	2	ea	25,000.00	\$50,000	\$12,500	\$62,500		1
	Replace Gym Heating & Venting	1	ea	40,000.00	\$40,000	\$10,000	\$50,000		1
	Add AC to Tech Closet	1	ea	10,000.00	\$10,000	\$2,500	\$12,500	MDF	1
	Replace Cabinet Unit Heaters	6	ea	5,000.00	\$30,000	\$7,500	\$37,500		1
	Replace Exhaust Fans	4	ea	4,000.00	\$16,000	\$4,000	\$20,000		1
<u>Temperature Controls</u>									
	Replace all pneumatic controls with Digital	40,812	SF	2.25	\$91,800	\$22,950	\$114,750		1
Mechanical Work Subtotal:					\$583,800		\$729,750		

ELECTRICAL WORK

<u>Electrical-Power</u>									
	Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
<u>Lighting</u>									
	Upgrade Site Lighting	1	ls	49,000.00	\$49,000	\$12,250	\$61,250		1
	Upgrade Exterior building mounted Lighting	1	ls	24,000.00	\$24,000	\$6,000	\$30,000		1
	Add Occupancy Sensors	1	LS	7,000.00	\$7,000	\$1,750	\$8,750		1
Electrical Work Subtotal:					\$85,000		\$106,250		

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Plymouth Elementary School 1105 E. Sugnet Rd., Midland, MI 48642 Building Project Work List	Date: 10/1/2014	site visit: 6/30/2014
	Grades: K-5	enrollment: x
	Year Built: 1952	
	Building Size: 40,812	capacity: x
	Site Size: 14,000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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TECHNOLOGY INFRASTRUCTURE

<u>Cabling Infrastructure</u>									
	Remove Category 5 and/or supporting legacy cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
	Fiber backbone to IDF's for 10G	1	ea	2,500.00	\$2,500	\$625	\$3,125		1
	Additional voice/data structured cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
	Allowance for cabling to support series 2 needs	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		2
	Replace fiber to MS for dedicated line to Admin	1	ea	18,000.00	\$18,000	\$4,500	\$22,500		1
<u>Network / Wireless / Phone</u>									
	Replace network infr. - building core	1	ea	13,000.00	\$13,000	\$3,250	\$16,250		2
	Replace network infr. - edge switches	11	ea	4,200.00	\$46,200	\$11,550	\$57,750	Based on existing plus 1 per closet growth	2
	Replace UPS in each telecommunication room	2	ea	3,000.00	\$6,000	\$1,500	\$7,500		2
	Network infrastructure for Series 1 needs	1	ls	16,300.00	\$16,300	\$4,075	\$20,375		1
	Replace wireless infrastructure	37	ea	950.00	\$35,150	\$8,788	\$43,938		2
	Replace phone system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		2
<u>Clock System</u>									
	Replace clock system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		1
<u>Security</u>									
	Video surveillance	1	ls	18,000.00	\$18,000	\$4,500	\$22,500		1
	Expand access control	1	ls	9,500.00	\$9,500	\$2,375	\$11,875		1
	Install district-wide PA system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		1
Technology Infrastructure Subtotal:					\$254,650			\$318,313	
Remodeling Subtotal:					\$2,307,750				

SITE WORK

<u>Site Infrastructure</u>									
	Improve site furnishings	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	bike racks, flag pole, fencing	1
	Improve site grading / landscaping	1	allo	30,000.00	\$30,000	\$7,500	\$37,500	Poor drainage in play area, improve court	1
	Site Work for Addition	9,500	sf	8.00	\$76,000	\$19,000	\$95,000	utilities, paving, restoration	1
<u>Site Paving</u>									
	Replace site concrete	1	allo	50,000.00	\$50,000	\$12,500	\$62,500	Remove curbs at bus loop, remove steps	1
	Repave parking and drives	45	ksf	2,500.00	\$112,500	\$28,125	\$140,625	Extend and reconfigure P.L.	1
<u>Playfields (playground/athletics)</u>									
	Improve playground / playfield area	1	ls	40,000.00	\$40,000	\$10,000	\$50,000	Outdated play equipment, relocate building	2
Site Work Subtotal:					\$323,500			\$404,375	

INSTRUCTIONAL TECHNOLOGY EQUIPMENT

<u>Computers and Mobile Devices</u>									
	Replace teacher/staff laptops	34	ea	1,000.00	\$34,000	\$8,500	\$42,500		1
	Mobile devices for teachers/staff	34	ea	650.00	\$22,100	\$5,525	\$27,625		1
	Replace student laptop carts	1	ea	34,500.00	\$34,500	\$8,625	\$43,125	Replace laptops only, use existing cart	1
	Mobile devices for students (does not include cart)	504	ea	650.00	\$327,600	\$81,900	\$409,500	Based on 2013 enrollment +5%	1
	Technology equipment - Series 2	1	ls	418,200.00	\$418,200	\$41,820	\$460,020		2
	Technology equipment - Series 3	1	ls	349,700.00	\$349,700	\$34,970	\$384,670		3
<u>Classroom Technologies</u>									
	Install classroom/lab projectors	28	ea	1,800.00	\$50,400	\$12,600	\$63,000		1
	Document camera	5	ea	550.00	\$2,750	\$688	\$3,438		1
	Refresh classroom projector	1	ls	50,400.00	\$50,400	\$12,600	\$63,000		3
Technology Equipment subtotal:					\$1,324,650			\$1,540,628	

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Plymouth Elementary School 1105 E. Sugnet Rd., Midland, MI 48642 Building Project Work List	Date: 10/1/2014	site visit: 6/30/2014
	Grades: K-5	enrollment: x
	Year Built: 1952	
	Building Size: 40,812	capacity: x
	Site Size: 14.000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS									
	Replace BW printers	1	ea	600.00	\$600	\$150	\$750		1
	Replace color printers	1	ls	1,350.00	\$1,350	\$338	\$1,688		1
	Replace BW MFP printers	3	ea	7,500.00	\$22,500	\$5,625	\$28,125		1
	Replace Point of Sale (POS) equipment / Food Service	2	ea	1,000.00	\$2,000	\$500	\$2,500		1

Technology - Audiovisual									
	Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		1
	Conference room / IEP displays	1	ls	2,500.00	\$2,500	\$625	\$3,125		1
	Replace gym sound system	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		1
	Digital Signage	1	ea	2,800.00	\$2,800	\$700	\$3,500		1

Furniture & Furnishings									
	Replacement furniture & furnishings	40,812	ea	1.75	\$71,400	\$8,568	\$79,968	classroom desks and chairs	2
	Furniture for Addition	9,500	sf	3.00	\$28,500	\$3,420	\$31,920	cafeteria tables and gym equipment	1

F, F, & E Subtotal:					\$176,650			\$207,826	
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TOTAL DIRECT COSTS:					\$5,937,550			\$7,293,766	
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Project Contingency:	\$593,755
General Conditions:	\$103,393
CM Fee / Reimbursables:	\$329,534
A/E Fee / Reimbursables:	\$329,534

TOTAL PROJECT COSTS:	\$7,293,766
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\$7,293,766 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS			Date: 10/1/2014	site visit: 6/30/2014
District Wide Facility Assessment			Grades: K-5	enrollment: x
Woodcrest Elementary School			Year Built: 1969	
5500 Drake St., Midland, MI 48640			Building Size: 38,147	capacity: x
Building Project Work List			Site Size: 16,000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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NEW CONSTRUCTION

<u>Addition</u>									
	Cafeteria/Gym	6,500	sf	190.00	\$1,235,000	\$308,750	\$1,543,750		1
	Stage	1,500	sf	190.00	\$285,000	\$71,250	\$356,250		1
	Kitchen	400	sf	200.00	\$80,000	\$20,000	\$100,000		1
	Toilet Rooms	400	sf	250.00	\$100,000	\$25,000	\$125,000		1
	Storage/Circulation	700	sf	150.00	\$105,000	\$26,250	\$131,250		1
New Construction Subtotal:		9,500		190.00	\$1,805,000			\$2,256,250	

ARCHITECTURAL WORK

<u>Environmental</u>									
	Abate asbestos at mechanical	1	ls	5,000.00	\$5,000	\$1,250	\$6,250		1
<u>Building Envelope</u>									
	Replace roof system	38,147	sf	9.00	\$343,300	\$85,825	\$429,125		1
	Add masonry joints in brick	2,000	sf	10.00	\$20,000	\$5,000	\$25,000	Bottom 2' of building as needed	1
	Replace doors, frames and hardware	59	ea	3,000.00	\$177,000	\$44,250	\$221,250		1
	Replace glazing systems	1,400	sf	60.00	\$84,000	\$21,000	\$105,000		1
<u>Interior Construction</u>									
	Replace doors, frames and hardware	27	ea	2,000.00	\$54,000	\$13,500	\$67,500	classrooms only	1
	Replace flooring	38,147	sf	4.25	\$162,100	\$40,525	\$202,625		1
	Replace visual display boards	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	chalk to marker	1
	Replace toilet partitions & accessories	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	metal to plastic	1
	Replace casework	400	lf	425.00	\$170,000	\$42,500	\$212,500	original wood	1
	Remodel toilet rooms	1	ls	8,000.00	\$8,000	\$2,000	\$10,000	flooring and partitions	1
	Modify lobby to create secure entrance	1,000	sf	100.00	\$100,000	\$25,000	\$125,000		1
	Convert multi-purpose space to media center	2,700	sf	75.00	\$202,500	\$50,625	\$253,125		1
	Renovate media center to breakout lab	3,600	sf	50.00	\$180,000	\$45,000	\$225,000		1
	Renovations to connect to addition	9,500	sf	5.00	\$47,500	\$11,875	\$59,375		1
Architectural Work Subtotal:					\$1,603,400		\$2,004,250		

MECHANICAL WORK

<u>H.V.A.C.</u>									
	Replace Boiler/pumps (elementary)	2	ea	100,000.00	\$200,000	\$50,000	\$250,000		1
	Replace Unit Ventilators with new vertical Unit Vents	28	ea	16,000.00	\$448,000	\$112,000	\$560,000		1
	Replace indoor Air Handling Units	4	ea	30,000.00	\$120,000	\$30,000	\$150,000		1
	Replace Steam Humidifiers	2	ea	8,000.00	\$16,000	\$4,000	\$20,000		1
	Replace Cabinet Unit Heaters	4	ea	5,000.00	\$20,000	\$5,000	\$25,000		1
	Replace Exhaust Fans	6	ea	4,000.00	\$24,000	\$6,000	\$30,000		1
<u>Temperature Controls</u>									
	Replace all pneumatic controls with Digital	38,147	SF	2.25	\$85,800	\$21,450	\$107,250		1
Mechanical Work Subtotal:					\$913,800		\$1,142,250		

ELECTRICAL WORK

<u>Electrical-Power</u>									
	Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
<u>Lighting</u>									
	Upgrade Gym Lighting	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		1
	Upgrade Site Lighting	1	ls	49,000.00	\$49,000	\$12,250	\$61,250		1
	Upgrade Exterior building mounted Lighting	1	ls	20,000.00	\$20,000	\$5,000	\$25,000		1
	Add Exterior Emergency Egress Lighting	1	ls	15,000.00	\$15,000	\$3,750	\$18,750		1
	Add Occupancy Sensors	1	ls	7,000.00	\$7,000	\$1,750	\$8,750		1
	Upgrade Fire Alarm System	38,147	SF	2.70	\$103,000	\$25,750	\$128,750		1
	Add Exit and EM Lights in Corridors	1	LS	8,000.00	\$8,000	\$2,000	\$10,000		1
	Upgrade Lighting Through-out Building to T8	38,147	SF	6.00	\$228,900	\$57,225	\$286,125		1
Electrical Work Subtotal:					\$465,900		\$582,375		

MIDLAND PUBLIC SCHOOLS		Date: 10/1/2014	site visit: 6/30/2014
District Wide Facility Assessment		Grades: K-5	enrollment: x
Woodcrest Elementary School		Year Built: 1969	
5500 Drake St., Midland, MI 48640		Building Size: 38,147	capacity: x
Building Project Work List		Site Size: 16,000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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TECHNOLOGY INFRASTRUCTURE

<u>Cabling Infrastructure</u>									
	Remove Category 5 and/or supporting legacy cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
	Additional voice/data structured cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
	Allowance for cabling to support series 2 needs	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		2
<u>Network / Wireless / Phone</u>									
	Replace network infr. - building core	1	ea	13,000.00	\$13,000	\$3,250	\$16,250		2
	Replace network infr. - edge switches	8	ea	4,200.00	\$33,600	\$8,400	\$42,000	Based on existing plus 1 per closet growth	2
	Replace UPS in each telecommunication room	1	ea	3,000.00	\$3,000	\$750	\$3,750		2
	Network infrastructure for Series 1 needs	1	ls	12,400.00	\$12,400	\$3,100	\$15,500		1
	Replace wireless infrastructure	32	ea	950.00	\$30,400	\$7,600	\$38,000		2
	Replace phone system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		2
<u>Clock System</u>									
	Replace clock system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		1
<u>Security</u>									
	Video surveillance	1	ls	18,000.00	\$18,000	\$4,500	\$22,500		1
	Expand access control	1	ls	9,500.00	\$9,500	\$2,375	\$11,875		1
	Install district-wide PA system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		1

Technology Infrastructure Subtotal: **\$209,900** **\$262,375**

Remodeling Subtotal:	\$3,193,000
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SITE WORK

<u>Site Infrastructure</u>									
	Improve site furnishings	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	bike racks, flag pole, fencing	1
	Improve site grading / landscaping	1	allo	75,000.00	\$75,000	\$18,750	\$93,750	groundwater issues	1
	Site Work for Addition	9,500	sf	8.00	\$76,000	\$19,000	\$95,000	utilities, paving, restoration	1
<u>Site Paving</u>									
	Replace site concrete	1	allo	12,000.00	\$12,000	\$3,000	\$15,000	Install sidewalk connecting to neighborhood	1
	Repave parking and drives	33	ksf	2,500.00	\$82,500	\$20,625	\$103,125		1
	Install new parking areas (w/ storm system)	14	ksf	7,500.00	\$105,000	\$26,250	\$131,250	Extend asphalt parking and create loop at	1
<u>Playfields (playground/athletics)</u>									
	Improve playground / playfield area	1	ls	40,000.00	\$40,000	\$10,000	\$50,000		2

Site Work Subtotal: **\$405,500** **\$506,875**

INSTRUCTIONAL TECHNOLOGY EQUIPMENT

<u>Computers and Mobile Devices</u>									
	Replace teacher/staff laptops	35	ea	1,000.00	\$35,000	\$8,750	\$43,750		1
	Mobile devices for teachers/staff	35	ea	650.00	\$22,750	\$5,688	\$28,438		1
	Replace student laptop carts	1	ea	34,500.00	\$34,500	\$8,625	\$43,125	Replace laptops only, use existing cart	1
	Mobile devices for students (does not include cart)	557	ea	650.00	\$362,050	\$90,513	\$452,563	Based on 2013 enrollment +5%	1
	Technology equipment - Series 2	1	ls	454,300.00	\$454,300	\$45,430	\$499,730		2
	Technology equipment - Series 3	1	ls	384,800.00	\$384,800	\$38,480	\$423,280		3

<u>Classroom Technologies</u>									
	Install classroom/lab projectors	31	ea	1,800.00	\$55,800	\$13,950	\$69,750		1
	Install sound field amplification	31	ea	1,250.00	\$38,750	\$9,688	\$48,438		1
	Document camera	5	ea	550.00	\$2,750	\$688	\$3,438		1
	Refresh classroom projector	1	ls	55,800.00	\$55,800	\$13,950	\$69,750		3

Technology Equipment subtotal: **\$1,446,500** **\$1,682,260**

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Woodcrest Elementary School 5500 Drake St., Midland, MI 48640 Building Project Work List	Date: 10/1/2014	site visit: 6/30/2014
	Grades: K-5	enrollment: x
	Year Built: 1969	
	Building Size: 38,147	capacity: x
	Site Size: 16,000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS									
	Replace BW printers	1	ea	600.00	\$600	\$150	\$750		1
	Replace BW MFP printers	2	ea	7,500.00	\$15,000	\$3,750	\$18,750		1
	Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		1
	Replace Point of Sale (POS) equipment / Food Service	2	ea	1,000.00	\$2,000	\$500	\$2,500		1

Technology - Audiovisual									
	Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		1
	Conference room / IEP displays	1	ls	2,500.00	\$2,500	\$625	\$3,125		1
	Replace gym sound system	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		1
	Digital Signage	1	ea	2,800.00	\$2,800	\$700	\$3,500		1

Furniture & Furnishings									
	Replacement furniture & furnishings	38,147	ea	1.75	\$66,800	\$8,016	\$74,816	classroom desks and chairs	2
	Furniture for Addition	9,500	sf	3.00	\$28,500	\$3,420	\$31,920	cafeteria tables and gym equipment	1

F, F, & E Subtotal:					\$173,200			\$204,111	
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TOTAL DIRECT COSTS:					\$7,023,200			\$8,640,746	
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Project Contingency:	\$702,320
General Conditions:	\$123,682
CM Fee / Reimbursables:	\$395,772
A/E Fee / Reimbursables:	\$395,772

TOTAL PROJECT COSTS:	\$8,640,746
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\$8,640,746 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Siebert Elementary School 5700 Siebert St., Midland, MI 48640 Building Project Work List	Date: 10/1/2014	site visit: 6/30/2014
	Grades: K-5	enrollment: x
	Year Built: 1958	
	Building Size: 48,489	capacity: x
	Site Size: 14.000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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NEW CONSTRUCTION

<u>Addition</u>									
	Cafeteria/Gym	6,500	sf	190.00	\$1,235,000	\$308,750	\$1,543,750		1
	Stage	1,500	sf	190.00	\$285,000	\$71,250	\$356,250		1
	Kitchen	400	sf	200.00	\$80,000	\$20,000	\$100,000		1
	Toilet Rooms	400	sf	250.00	\$100,000	\$25,000	\$125,000		1
	Storage/Circulation	700	sf	150.00	\$105,000	\$26,250	\$131,250		1
New Construction Subtotal:		9,500		190.00	\$1,805,000			\$2,256,250	

ARCHITECTURAL WORK

<u>Environmental</u>									
	Abate asbestos floor tile	32	ksf	1,500.00	\$48,000	\$12,000	\$60,000		1
	Abate asbestos at mechanical	1	ls	5,000.00	\$5,000	\$1,250	\$6,250		1
<u>Building Envelope</u>									
	Replace doors, frames and hardware	26	ea	3,000.00	\$78,000	\$19,500	\$97,500		1
	Replace glazing systems	6,200	sf	60.00	\$372,000	\$93,000	\$465,000		1
	Add downspouts and gutters	1	allo	2,500.00	\$2,500	\$625	\$3,125	North storage building needs gutter system	1
<u>Interior Construction</u>									
	Replace doors, frames and hardware	26	ea	2,000.00	\$52,000	\$13,000	\$65,000	classrooms only	1
	Replace flooring	35,000	sf	4.25	\$148,800	\$37,200	\$186,000		1
	Replace visual display boards	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	chalk to marker	1
	Replace toilet partitions & accessories	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	metal to plastic	1
	Replace casework	400	lf	425.00	\$170,000	\$42,500	\$212,500	original wood	1
	Remodel toilet rooms	1	ls	8,000.00	\$8,000	\$2,000	\$10,000	flooring and partitions	1
	Modify lobby to create secure entrance	1,000	sf	100.00	\$100,000	\$25,000	\$125,000		1
	Convert multi-purpose space to media center	3,000	sf	75.00	\$225,000	\$56,250	\$281,250		1
	Renovate media center to breakout lab	1,000	sf	50.00	\$50,000	\$12,500	\$62,500		1
	Renovations to connect to addition	9,500	sf	5.00	\$47,500	\$11,875	\$59,375		1
Architectural Work Subtotal:					\$1,356,800		\$1,696,000		

MECHANICAL WORK

<u>H.V.A.C.</u>									
	Replace Boiler/pumps (elementary)	2	ea	100,000.00	\$200,000	\$50,000	\$250,000		1
	Replace Unit Ventilators with new vertical Unit Vents	16	ea	16,000.00	\$256,000	\$64,000	\$320,000		1
	Replace Office Heating & Venting Units	1	ea	20,000.00	\$20,000	\$5,000	\$25,000	5 Ton RTU	1
	Replace Classroom Heating & Venting	3	ea	25,000.00	\$75,000	\$18,750	\$93,750		1
	Replace Gym Heatgin & Venting Units	1	ea	40,000.00	\$40,000	\$10,000	\$50,000		1
	Add AC to Tech Closet	2	ea	10,000.00	\$20,000	\$5,000	\$25,000	MDF (if relocate) and IDF	1
	Replace Cabinet Unit Heaters	6	ea	5,000.00	\$30,000	\$7,500	\$37,500		1
	Replace Exhaust Fans	4	ea	4,000.00	\$16,000	\$4,000	\$20,000		1
<u>Temperature Controls</u>									
	Replace all pneumatic controls with Digital	48,489	SF	2.25	\$109,100	\$27,275	\$136,375		1
Mechanical Work Subtotal:					\$766,100		\$957,625		

ELECTRICAL WORK

<u>Electrical-Power</u>									
	Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
<u>Lighting</u>									
	Upgrade Site Lighting	1	ls	46,000.00	\$46,000	\$11,500	\$57,500		1
	Upgrade Exterior building mounted Lighting	1	ls	14,000.00	\$14,000	\$3,500	\$17,500		1
	Add Occupancy Sensors	1	LS	7,000.00	\$7,000	\$1,750	\$8,750		1
Electrical Work Subtotal:					\$72,000		\$90,000		

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Siebert Elementary School 5700 Siebert St., Midland, MI 48640 Building Project Work List	Date: 10/1/2014	site visit: 6/30/2014
	Grades: K-5	enrollment: x
	Year Built: 1958	
	Building Size: 48,489	capacity: x
	Site Size: 14.000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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TECHNOLOGY INFRASTRUCTURE

<u>Cabling Infrastructure</u>									
	Remove Category 5 and/or supporting legacy cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
	Replace telecommunication rooms / relocate data center	1	ea	2,000.00	\$2,000	\$500	\$2,500		1
	Fiber backbone to IDFs for 10G	1	ea	2,500.00	\$2,500	\$625	\$3,125		1
	Additional voice/data structured cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
	Allowance for cabling to support series 2 needs	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		2
	Replace fiber to MS for dedicated line to Admin	1	ea	18,000.00	\$18,000	\$4,500	\$22,500		1
<u>Network / Wireless / Phone</u>									
	Replace network infr. - building core	1	ea	13,000.00	\$13,000	\$3,250	\$16,250		2
	Replace network infr. - edge switches	12	ea	4,200.00	\$50,400	\$12,600	\$63,000	Based on existing plus 1 per closet growth	2
	Replace UPS in each telecommunication room	2	ea	3,000.00	\$6,000	\$1,500	\$7,500		2
	Network infrastructure for Series 1 needs	1	ls	17,350.00	\$17,350	\$4,338	\$21,688		1
	Replace wireless infrastructure	41	ea	950.00	\$38,950	\$9,738	\$48,688		2
	Replace phone system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		2
<u>Clock System</u>									
	Replace clock system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		1
<u>Security</u>									
	Video surveillance	1	ls	18,000.00	\$18,000	\$4,500	\$22,500		1
	Expand access control	1	ls	9,500.00	\$9,500	\$2,375	\$11,875		1
	Install district-wide PA system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		1
Technology Infrastructure Subtotal:					\$265,700			\$332,125	
Remodeling Subtotal:					\$2,460,600				

SITE WORK

<u>Site Infrastructure</u>									
	Improve site furnishings	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	bike racks, flag pole, fencing	1
	Improve site grading / landscaping	1	allo	20,000.00	\$20,000	\$5,000	\$25,000	Clean storm system structures, revise syst	1
	Site Work for Addition	9,500	sf	8.00	\$76,000	\$19,000	\$95,000	utilities, paving, restoration	1
<u>Site Paving</u>									
	Replace site concrete	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	New concrete needed in play area, address	1
	Repave parking and drives	53	ksf	2,500.00	\$132,500	\$33,125	\$165,625	Replace asphalt in east lot, north and	1
	Install new parking areas (w/ storm system)	16	ksf	7,500.00	\$120,000	\$30,000	\$150,000	Reconfigure east parking lot and install ne	1
<u>Playfields (playground/athletics)</u>									
	Replace asphalt play area	10	ksf	2,500.00	\$25,000	\$6,250	\$31,250		2
	Improve playground / playfield area	1	ls	40,000.00	\$40,000	\$10,000	\$50,000		2
Site Work Subtotal:					\$443,500			\$554,375	

INSTRUCTIONAL TECHNOLOGY EQUIPMENT

<u>Computers and Mobile Devices</u>									
	Replace teacher/staff laptops	42	ea	1,000.00	\$42,000	\$10,500	\$52,500		1
	Mobile devices for teachers/staff	42	ea	650.00	\$27,300	\$6,825	\$34,125		1
	Replace student laptop carts	1	ea	34,500.00	\$34,500	\$8,625	\$43,125	Replace laptops only, use existing cart	1
	Mobile devices for students (does not include cart)	630	ea	650.00	\$409,500	\$102,375	\$511,875	Based on 2013 enrollment +5%	1
	Technology equipment - Series 2	1	ls	513,300.00	\$513,300	\$51,330	\$564,630		2
	Technology equipment - Series 3	1	ls	436,800.00	\$436,800	\$43,680	\$480,480		3
<u>Classroom Technologies</u>									
	Install classroom/lab projectors	34	ea	1,800.00	\$61,200	\$15,300	\$76,500		1
	Install sound field amplification	34	ea	1,250.00	\$42,500	\$10,625	\$53,125		1
	Document camera	5	ea	550.00	\$2,750	\$688	\$3,438		1
	Refresh classroom projector	1	ls	61,200.00	\$61,200	\$15,300	\$76,500		3
Technology Equipment subtotal:					\$1,631,050			\$1,896,298	

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Siebert Elementary School 5700 Siebert St., Midland, MI 48640 Building Project Work List	Date: 10/1/2014	site visit: 6/30/2014
	Grades: K-5	enrollment: x
	Year Built: 1958	
	Building Size: 48,489	capacity: x
	Site Size: 14.000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS									
	Replace BW printers	3	ea	600.00	\$1,800	\$450	\$2,250		1
	Replace BW MFP printers	2	ea	7,500.00	\$15,000	\$3,750	\$18,750		1
	Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		1
	Replace Point of Sale (POS) equipment / Food Service	2	ea	1,000.00	\$2,000	\$500	\$2,500		1

Technology - Audiovisual									
	Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		1
	Conference room / IEP displays	1	ls	2,500.00	\$2,500	\$625	\$3,125		1
	Enhance gym sound system	1	ea	2,000.00	\$2,000	\$500	\$2,500		1
	Digital Signage	1	ea	2,800.00	\$2,800	\$700	\$3,500		1

Furniture & Furnishings									
	Replacement furniture & furnishings	48,489	ea	1.75	\$84,900	\$10,188	\$95,088	classroom desks and chairs	2
	Furniture for Addition	9,500	sf	3.00	\$28,500	\$3,420	\$31,920	cafeteria tables and gym equipment	1

F, F, & E Subtotal:					\$184,500			\$215,883	
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TOTAL DIRECT COSTS:					\$6,524,650			\$7,998,556	
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Project Contingency:	\$652,465
General Conditions:	\$111,491
CM Fee / Reimbursables:	\$354,975
A/E Fee / Reimbursables:	\$354,975

TOTAL PROJECT COSTS:	\$7,998,556
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\$7,998,556 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Central School (Central Middle School Campus) Building Project Work List	Date: 10/1/2014	site visit: N/A
	Grades: N/A	enrollment: N/A
	Year Built: 2017	
	Building Size: 85,000	capacity: N/A
	Site Size: x	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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NEW CONSTRUCTION

<u>Addition</u>									
	K-2 classrooms	18,000	sf	192.00	\$3,456,000	\$864,000	\$4,320,000		1
	Grade 3-5 classrooms	18,000	sf	192.00	\$3,456,000	\$864,000	\$4,320,000		1
	staff support space	10,000	sf	192.00	\$1,920,000	\$480,000	\$2,400,000		1
	building support space	10,000	sf	192.00	\$1,920,000	\$480,000	\$2,400,000		1
	bulking factor	8,400	sf	192.00	\$1,612,800	\$403,200	\$2,016,000		1
New Construction Subtotal:		64,400		192.00	\$12,364,800			\$15,456,000	

ARCHITECTURAL WORK

<u>Environmental</u>									
	Abate asbestos for building demolition	7,500	sf	2.00	\$15,000	\$3,750	\$18,750	inc w/ central	1
<u>Demolition</u>									
	Demo classroom portion of building	7,500	sf	6.00	\$45,000	\$11,250	\$56,250	inc w/ central	1
<u>Interior Construction</u>									
	Renovate old classrooms to special use	4,000	sf	50.00	\$200,000	\$50,000	\$250,000	inc mech & elec	1
	Renovate cafeteria	10,000	sf	50.00	\$500,000	\$125,000	\$625,000	inc mech & elec	1
	Renovate gym	10,000	sf	50.00	\$500,000	\$125,000	\$625,000	inc mech & elec	1
	Renovations to connect to addition	64,400	sf	5.00	\$322,000	\$80,500	\$402,500	inc mech & elec	1
Architectural Work Subtotal:					\$1,582,000			\$1,977,500	

ELECTRICAL WORK

<u>Electrical-Power</u>									
	Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
Electrical Work Subtotal:					\$5,000			\$6,250	

TECHNOLOGY INFRASTRUCTURE

<u>Cabling Infrastructure</u>									
	Fiber backbone to IDFs for 10G	4	ea	2,500.00	\$10,000	\$2,500	\$12,500	Assumes part of building would be demolis	1
	Voice/data structured cabling	1	allo	40,000.00	\$40,000	\$10,000	\$50,000		1
	Allowance for cabling to support series 3 needs	1	allo	2,000.00	\$2,000	\$500	\$2,500		3
<u>Network / Wireless / Phone</u>									
	Network infr. - building core	1	ea	25,000.00	\$25,000	\$6,250	\$31,250		1
	Network infr. - edge switches	1	ls	75,000.00	\$75,000	\$18,750	\$93,750		1
	UPS in each telecommunication room	4	ea	3,000.00	\$12,000	\$3,000	\$15,000	Assumes part of building would be demolis	1
	Network infrastructure for Series 3 needs	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		3
	Wireless infrastructure	57	ea	950.00	\$53,833	\$13,458	\$67,292		1
	Phone system	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		1
<u>Clock System</u>									
	Clock system	1	ls	27,000.00	\$27,000	\$6,750	\$33,750		1
<u>Security</u>									
	Video surveillance	1	ls	40,000.00	\$40,000	\$10,000	\$50,000		1
	Expand access control	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		1
	Install district-wide PA system	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		1
Technology Infrastructure Subtotal:					\$394,833			\$493,542	
Remodeling Subtotal:					\$1,981,833				

SITE WORK

<u>Site Infrastructure</u>									
	Improve site furnishings	1	allo	17,600.00	\$17,600	\$4,400	\$22,000	bike racks, flag pole, fencing	1
	Site Work for Addition	64,400	sf	4.00	\$257,600	\$64,400	\$322,000	utilities, paving, restoration	1
<u>Site Paving</u>									
	Install new parking areas (w/ storm system)	22	ksf	7,500.00	\$165,000	\$41,250	\$206,250		1
<u>Playfields (playground/athletics)</u>									
	Improve playground / playfield area	1	ls	75,000.00	\$75,000	\$18,750	\$93,750		1
Site Work Subtotal:					\$515,200			\$644,000	

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Central School (Central Middle School Campus) Building Project Work List	Date: 10/1/2014	site visit: N/A
	Grades: N/A	enrollment: N/A
	Year Built: 2017	
	Building Size: 85,000	capacity: N/A
	Site Size: x	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices (based on Carpenter and Eastlawn Quantities)									
	Replace teacher/staff laptops	63	ea	1,000.00	\$63,000	\$15,750	\$78,750		1
	Mobile devices for teachers/staff	63	ea	650.00	\$40,950	\$10,238	\$51,188		1
	Replace student / lab desktops	35	ea	1,000.00	\$35,000	\$8,750	\$43,750		1
	Replace student laptop carts	2	ea	34,500.00	\$69,000	\$17,250	\$86,250		1
	Mobile devices for students (does not include cart)	746	ea	650.00	\$484,900	\$121,225	\$606,125		1
	Technology equipment - Series 2	1	ls	692,850.00	\$692,850	\$69,285	\$762,135		2
	Technology equipment - Series 3	1	ls	525,850.00	\$525,850	\$52,585	\$578,435		3
Classroom Technologies									
	Install classroom/lab projectors	52	ea	1,800.00	\$93,600	\$23,400	\$117,000		1
	Install sound field amplification	52	ea	1,250.00	\$65,000	\$16,250	\$81,250		1
	Document camera	5	ea	550.00	\$2,750	\$688	\$3,438		1
	Refresh classroom projector	1	ls	93,600.00	\$93,600	\$23,400	\$117,000		3
Technology Equipment subtotal:					\$2,166,500		\$2,525,320		

FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS									
	Replace BW printers	7	ea	600.00	\$4,200	\$1,050	\$5,250		1
	Replace color printers	2	ea	1,350.00	\$2,700	\$675	\$3,375		1
	Replace BW MFP printers	6	ea	7,500.00	\$45,000	\$11,250	\$56,250		1
	Replace color MFP printers	2	ea	10,000.00	\$20,000	\$5,000	\$25,000		1
	Replace Point of Sale (POS) equipment / Food Service	2	ea	1,000.00	\$2,000	\$500	\$2,500		1
Technology - Audiovisual									
	Media center audiovisual	1	ls	15,000.00	\$15,000	\$3,750	\$18,750		1
	Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		1
	Conference room / IEP displays	2	ls	2,500.00	\$5,000	\$1,250	\$6,250		1
	Gym sound system	1	ea	15,000.00	\$15,000	\$3,750	\$18,750		1
	Digital Signage	4	ea	2,800.00	\$11,200	\$2,800	\$14,000		1
Furniture & Furnishings									
	Replacement furniture & furnishings	24,000	sf	2.00	\$48,000	\$5,760	\$53,760	cafeteria tables and gym equipment	1
	Furniture for Addition	64,400	sf	4.00	\$257,600	\$30,912	\$288,512	classroom desks and chairs	1
F, F, & E Subtotal:					\$460,700		\$536,147		

TOTAL DIRECT COSTS:	\$17,489,033	\$21,638,759
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Project Contingency:	\$1,748,903
General Conditions:	\$325,407
CM Fee / Reimbursables:	\$1,037,708
A/E Fee / Reimbursables:	\$1,037,708

TOTAL PROJECT COSTS:	\$21,638,759
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\$21,638,759 check #

Notes:
 Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS			Date: 10/1/2014	site visit: N/A
District Wide Facility Assessment			Grades: N/A	enrollment: N/A
Central Auditorium (Performing Arts Center)			Year Built: 1937	
305 E. Reardon St., Midland, MI			Building Size: 125,135	capacity: 765
Building Project Work List			Site Size: 20,000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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NEW CONSTRUCTION

<u>Addition</u>									
	Enlarge front lobby	2,000	sf	192.00	\$384,000	\$96,000	\$480,000		1
	Enlarge back of stage	2,000	sf	192.00	\$384,000	\$96,000	\$480,000		1
New Construction Subtotal:		4,000		192.00	\$768,000			\$960,000	

ARCHITECTURAL WORK

<u>Environmental</u>									
	Abate asbestos for building demolition	49,000	sf	2.00	\$98,000	\$24,500	\$122,500		1
<u>Demolition</u>									
	Demo classroom portion of building	25,000	sf	6.00	\$150,000	\$37,500	\$187,500	except gym/café	1
<u>Interior Construction</u>									
	Renovations to performing arts area	31,000	sf	90.00	\$2,790,000	\$697,500	\$3,487,500	inc mech & elec	1
	Renovations to connect to addition	4,000	sf	5.00	\$20,000	\$5,000	\$25,000	inc mech & elec	1
Architectural Work Subtotal:					\$3,058,000			\$3,822,500	

ELECTRICAL WORK

<u>Electrical-Power</u>									
	Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
Electrical Work Subtotal:					\$5,000			\$6,250	

TECHNOLOGY INFRASTRUCTURE

<u>Cabling Infrastructure</u>									
	Remove Category 5 and/or supporting legacy cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		1
	Fiber backbone to IDFs for 10G	1	ea	2,500.00	\$2,500	\$625	\$3,125	Assumes part of building would be demolis	1
	Replace voice/data structured cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500	Assumes rest in new elem costs	1
	Allowance for cabling to support series 2 needs	1	allo	2,000.00	\$2,000	\$500	\$2,500		2
<u>Network / Wireless / Phone</u>									
	Replace network infr. - edge switches	6	ea	4,200.00	\$25,200	\$6,300	\$31,500	Assumes rest in new elem costs	2
	Replace UPS in each telecommunication room	1	ea	3,000.00	\$3,000	\$750	\$3,750	Assumes part of building would be demolis	2
	Network infrastructure for Series 1 needs	1	ls	7,050.00	\$7,050	\$1,763	\$8,813		1
	Replace wireless infrastructure	10	ea	950.00	\$9,500	\$2,375	\$11,875	Assumes rest in new elem costs	2
	Replace phone system	1	ls	7,500.00	\$7,500	\$1,875	\$9,375	Assumes rest in new elem costs	2
<u>Clock System</u>									
	Replace clock system	1	ls	5,000.00	\$5,000	\$1,250	\$6,250	Assumes rest in new elem costs	1
<u>Security</u>									
	Video surveillance	1	ls	7,500.00	\$7,500	\$1,875	\$9,375	Assumes rest in new elem costs	1
	Expand access control	1	ls	5,000.00	\$5,000	\$1,250	\$6,250	Assumes rest in new elem costs	1
	Install district-wide PA system	1	ls	5,000.00	\$5,000	\$1,250	\$6,250	Assumes rest in new elem costs	1
Technology Infrastructure Subtotal:					\$99,250			\$124,063	

Remodeling Subtotal:					\$3,162,250				
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SITE WORK

<u>Site Infrastructure</u>									
	Improve site furnishings	1	allo	5,000.00	\$5,000	\$1,250	\$6,250	flag pole, fencing	1
	Site Work for Addition	4,000	sf	4.00	\$16,000	\$4,000	\$20,000	utilities, paving, restoration	1
<u>Site Paving</u>									
	Install new parking areas (w/ storm system)	10	ksf	7,500.00	\$75,000	\$18,750	\$93,750		1
Site Work Subtotal:					\$96,000			\$120,000	

MIDLAND PUBLIC SCHOOLS	Date: 10/1/2014	site visit: N/A
District Wide Facility Assessment	Grades: N/A	enrollment: N/A
Central Auditorium (Performing Arts Center)	Year Built: 1937	
305 E. Reardon St., Midland, MI	Building Size: 125,135	capacity: 765
Building Project Work List	Site Size: 20,000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices									
	Replace teacher/staff laptops	15	ea	1,000.00	\$15,000	\$3,750	\$18,750		1
	Mobile devices for teachers/staff	15	ea	650.00	\$9,750	\$2,438	\$12,188		1
	Technology equipment - Series 2	1	ls	24,750.00	\$24,750	\$2,475	\$27,225		2
	Technology equipment - Series 3	1	ls	24,750.00	\$24,750	\$2,475	\$27,225		3
Technology Equipment subtotal:					\$74,250			\$85,388	

FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS									
	Replace BW printers	1	ea	600.00	\$600	\$150	\$750		1
	Replace color printers	1	ls	1,350.00	\$1,350	\$338	\$1,688		1
	Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		1
Technology - Audiovisual									
	Auditorium projector allowance	1	al	50,000.00	\$50,000	\$12,500	\$62,500		1
	Digital Signage	4	ea	2,800.00	\$11,200	\$2,800	\$14,000		1
Furniture & Furnishings									
	Replacement furniture & furnishings	1	ls	31,196.00	\$31,196	\$3,744	\$34,940	desk and chairs	2
	Replacement equipment	1	ls	30,803.50	\$30,804	\$3,696	\$34,500	stage equipment	1
	Furniture for Addition	4,000	sf	4.00	\$16,000	\$1,920	\$17,920	lobby and storage	2
F, F, & E Subtotal:					\$151,150			\$178,797	

TOTAL DIRECT COSTS:	\$4,251,650	\$5,296,997
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Project Contingency:	\$425,165
General Conditions:	\$84,043
CM Fee / Reimbursables:	\$268,070
A/E Fee / Reimbursables:	\$268,070

TOTAL PROJECT COSTS:	\$5,296,997
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\$5,296,997 check #

Notes:
Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Jefferson Middle School 800 W. Chapel Ln, Midland, MI 48640 Building Project Work List	Date: 10/1/2014	site visit: 7/8/2014
	Grades: 6-8	enrollment: x
	Year Built: 1963	
	Building Size: 112,246	capacity: x
	Site Size: 22,000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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ARCHITECTURAL WORK

Environmental									
	Abate asbestos floor tile	35,000	sf	2.00	\$70,000	\$17,500	\$87,500	in classrooms	2
Building Envelope									
	Replace doors, frames and hardware	40	ea	3,000.00	\$120,000	\$30,000	\$150,000	original	2
	Replace glazing systems	7,500	sf	60.00	\$450,000	\$112,500	\$562,500		2
	Replace soffits & canopy	1	ls	60,000.00	\$60,000	\$15,000	\$75,000	white panels above roof line	2
Interior Construction									
	Replace doors, frames and hardware	100	ea	200.00	\$20,000	\$5,000	\$25,000	doors/frames ok, replace handle w ADA le	2
	Replace flooring	35,000	sf	4.25	\$148,800	\$37,200	\$186,000	at removed asbestos	2
	Replace visual display boards	25	ea	2,500.00	\$62,500	\$15,625	\$78,125		2
	Replace toilet partitions & accessories	20	ea	2,500.00	\$50,000	\$12,500	\$62,500	metal to plastic	2
	Replace gym equipment	8	ea	2,500.00	\$20,000	\$5,000	\$25,000	main & aux gym backboards	2
	Replace casework	100	lf	400.00	\$40,000	\$10,000	\$50,000		2
	Replace fixed seating - auditorium	250	ea	160.00	\$40,000	\$10,000	\$50,000	original	2
	Replace fixed seating - gym bleachers	800	ea	115.00	\$92,000	\$23,000	\$115,000	old wood	2
	Renovate Media Center for Learn Labs	1	ls	50,000.00	\$50,000	\$12,500	\$62,500		2
	Modify lobby to create secure entrance	2,000	sf	100.00	\$200,000	\$50,000	\$250,000		1
Architectural Work Subtotal:					\$1,423,300			\$1,779,125	

MECHANICAL WORK

Plumbing									
	Replace Dom Water Heater	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		2
	Replace Pool Heater	1	ea	50,000.00	\$50,000	\$12,500	\$62,500		2
	Replace Pool heater piping from boiler room to pool	500	LF	50.00	\$25,000	\$6,250	\$31,250		2
H.V.A.C.									
	Replace Boiler	2	ea	150,000.00	\$300,000	\$75,000	\$375,000		1
	Add AC to Tech Closet	1	ea	10,000.00	\$10,000	\$2,500	\$12,500	MDF	2
	Replace Cabinet Unit Heaters	20	ea	5,000.00	\$100,000	\$25,000	\$125,000		2
	Replace Exhaust Fans	15	ea	4,000.00	\$60,000	\$15,000	\$75,000		2
	Correct Kitchen Ventilation Problems	1	LS	10,000.00	\$10,000	\$2,500	\$13,700		2
Temperature Controls									
	Replace all pneumatic controls with Digital	112,246	SF	2.25	\$252,600	\$63,150	\$315,750		2
Mechanical Work Subtotal:					\$817,600			\$1,023,200	

ELECTRICAL WORK

Electrical-Power									
	Add electrical to support technology	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		2
Lighting									
	Upgrade Site Lighting	1	ls	112,000.00	\$112,000	\$28,000	\$140,000		2
	Upgrade Exterior building mounted Lighting	1	ls	16,000.00	\$16,000	\$4,000	\$20,000		2
	Add Exterior Emergency Egress Lighting	1	ls	4,000.00	\$4,000	\$1,000	\$5,000		2
	Add Occupancy Sensors	1	ls	12,000.00	\$12,000	\$3,000	\$15,000		2
	Upgrade Theater House Lights	1	ls	20,000.00	\$20,000	\$5,000	\$25,000		2
Electrical Work Subtotal:					\$174,000			\$217,500	

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Jefferson Middle School 800 W. Chapel Ln, Midland, MI 48640 Building Project Work List	Date: 10/1/2014	site visit: 7/8/2014
	Grades: 6-8	enrollment: x
	Year Built: 1963	
	Building Size: 112,246	capacity: x
	Site Size: 22,000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure

Remove Category 5 and/or supporting legacy cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		2
Fiber backbone to IDFs for 10G	2	ea	2,500.00	\$5,000	\$1,250	\$6,250		1
Additional voice/data structured cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		1
Allowance for cabling to support series 2 needs	1	allo	7,500.00	\$7,500	\$1,875	\$9,375		2

Network / Wireless / Phone

Replace network infr. - building core	1	ea	28,500.00	\$28,500	\$7,125	\$35,625		2
Replace network infr. - edge switches	15	ea	4,200.00	\$63,000	\$15,750	\$78,750	Based on existing plus 1 per closet growth	2
Replace UPS in each telecommunication room	3	ea	3,000.00	\$9,000	\$2,250	\$11,250		2
Network infrastructure for Series 1 needs	1	ls	25,125.00	\$25,125	\$6,281	\$31,406		1
Replace wireless infrastructure	71	ea	950.00	\$67,450	\$16,863	\$84,313		2
Replace phone system	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		2
Replace district servers	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		1

Clock System

Replace clock system	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		2
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Security

Video surveillance	1	ls	41,000.00	\$41,000	\$10,250	\$51,250		1
Expand access control	1	ls	15,000.00	\$15,000	\$3,750	\$18,750		1
Install district-wide PA system	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		2

Technology Infrastructure Subtotal: \$421,575 \$526,969

Remodeling Subtotal: \$2,836,475

SITE WORK

Site Infrastructure

Remove and replace fencing	1	allo	30,000.00	\$30,000	\$7,500	\$37,500	650 lf of fencing around tennis courts	2
Improve site furnishings	1	allo	20,000.00	\$20,000	\$5,000	\$25,000	bike racks, flag pole, fencing	2
Improve site grading / landscaping	1	allo	50,000.00	\$50,000	\$12,500	\$62,500	Storm water detention area, additional lan	2
Upgrade site utilities	1	allo	20,000.00	\$20,000	\$5,000	\$25,000	Additional storm sewer system	2

Site Paving

Replace site concrete	1	allo	20,000.00	\$20,000	\$5,000	\$25,000	Install new 3500SF 8' sidewalk w/ integral	2
Repave parking and drives	61	ksf	2,500.00	\$152,500	\$38,125	\$190,625	Additional parking in south lot. Repair west	2
Repave parking and drives (deep strength asphalt)	14	ksf	4,000.00	\$56,000	\$14,000	\$70,000	Remove and replace bus drive	2

Playfields (playground/athletics)

Upgrade athletic fields	1	ls	60,000.00	\$60,000	\$15,000	\$75,000	relocate existing ball diamond	2
Resurface tennis courts	1	ls	75,000.00	\$75,000	\$18,750	\$93,750	including nets and fencing	2

Site Work Subtotal: \$483,500 \$604,375

INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices

Replace teacher/staff laptops	63	ea	1,000.00	\$63,000	\$15,750	\$78,750		1
Mobile devices for teachers/staff	63	ea	650.00	\$40,950	\$10,238	\$51,188		1
Replace student / lab desktops	64	ea	1,000.00	\$64,000	\$16,000	\$80,000		1
Replace student laptop carts	1	ea	34,500.00	\$34,500	\$8,625	\$43,125	Replace laptops only, use existing cart	1
Mobile devices for students (does not include cart)	935	ea	650.00	\$607,750	\$151,938	\$759,688	Based on 2013 enrollment +5%	1
Technology equipment - Series 1	1	ls	395,000.00	\$395,000	\$39,500	\$533,250	Placeholder row for shifting between series	1
Technology equipment - Series 2	1	ls	111,325.00	\$111,325	\$11,133	\$122,458		2
Technology equipment - Series 3	1	ls	344,825.00	\$344,825	\$34,483	\$379,308		3

Classroom Technologies

Install classroom/lab projectors	53	ea	1,800.00	\$95,400	\$23,850	\$119,250		2
Install sound field amplification	53	ea	1,250.00	\$66,250	\$16,563	\$82,813		2
Document camera	10	ea	550.00	\$5,500	\$1,375	\$6,875		1

Technology Equipment subtotal: \$1,828,500 \$2,256,703

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Jefferson Middle School 800 W. Chapel Ln, Midland, MI 48640 Building Project Work List	Date: 10/1/2014	site visit: 7/8/2014
	Grades: 6-8	enrollment: x
	Year Built: 1963	
	Building Size: 112,246	capacity: x
	Site Size: 22,000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS									
	Replace BW printers	5	ea	600.00	\$3,000	\$750	\$3,750		1
	Replace color printers	3	ls	1,350.00	\$4,050	\$1,013	\$5,063		1
	Replace BW MFP printers	2	ea	7,500.00	\$15,000	\$3,750	\$18,750		1
	Replace Point of Sale (POS) equipment / Food Service	3	ea	1,000.00	\$3,000	\$750	\$3,750		1
Technology - Audiovisual									
	Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		2
	Conference room / IEP displays	2	ls	2,500.00	\$5,000	\$1,250	\$6,250		2
	Install projector in auditorium	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		2
	Enhance gym sound system	1	ea	2,000.00	\$2,000	\$500	\$2,500		2
	Digital Signage	2	ea	2,800.00	\$5,600	\$1,400	\$7,000		2
Furniture & Furnishings									
	Replacement furniture & furnishings	112,246	ea	1.75	\$196,400	\$23,568	\$219,968	classroom desks and chairs	2
	Replacement equipment	1	allo	15,000.00	\$15,000	\$1,800	\$16,800	athletics	2
F, F, & E Subtotal:					\$319,050		\$371,331		

TOTAL DIRECT COSTS:	\$5,467,525	\$6,779,202
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Project Contingency:	\$546,753
General Conditions:	\$100,228
CM Fee / Reimbursables:	\$311,998
A/E Fee / Reimbursables:	\$311,998

TOTAL PROJECT COSTS:	\$6,738,502
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\$6,738,502 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Northeast Middle School 1305 E. Sugnet Rd., Midland MI 48642 Building Project Work List	Date: 10/1/2014	site visit: 7/8/2014
	Grades: 6-8	enrollment: x
	Year Built: 1950	
	Building Size: 147,638	capacity: x
	Site Size: 13.000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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ARCHITECTURAL WORK

Environmental									
	Abate asbestos floor tile	25	ksf	1,500.00	\$37,500	\$9,375	\$46,875	classrooms, theater	2
Building Envelope									
	Replace roof system	25,000	sf	9.00	\$225,000	\$56,250	\$281,250	partial	2
	Demo chimney	1	allo	20,000.00	\$20,000	\$5,000	\$25,000		2
	Replace exterior brick, add control joints	1	allo	150,000.00	\$150,000	\$37,500	\$187,500	major issues	1
	Replace glazing systems	1,500	sf	60.00	\$90,000	\$22,500	\$112,500		2
	Replace soffits & canopy	1	ls	60,000.00	\$60,000	\$15,000	\$75,000	panels are peeling/leaking	2
Interior Construction									
	Replace doors, frames and hardware	100	ea	200.00	\$20,000	\$5,000	\$25,000	doors/frames ok, replace handle w ADA le	2
	Install sound deadening panels	1	ls	30,000.00	\$30,000	\$7,500	\$37,500	main gym and aux gym	2
	Replace flooring	25,000	sf	4.25	\$106,300	\$26,575	\$132,875	classroom VAT	2
	Replace visual display boards	25	ea	2,500.00	\$62,500	\$15,625	\$78,125	chalk to marker	2
	Replace toilet partitions & accessories	20	ea	2,500.00	\$50,000	\$12,500	\$62,500	metal to plastic	2
	Replace lockers	1,000	ea	100.00	\$100,000	\$25,000	\$125,000	original, cannot get parts	2
	Replace gym equipment	8	ea	2,500.00	\$20,000	\$5,000	\$25,000	main & aux gym backboards	2
	Replace casework	100	lf	400.00	\$40,000	\$10,000	\$50,000	original wood - minimal	2
	Replace fixed seating - auditorium	250	ea	160.00	\$40,000	\$10,000	\$50,000	original	2
	Replace elevator	1	ls	50,000.00	\$50,000	\$12,500	\$62,500		2
	Renovate Media Center for Learn Labs	1	ls	50,000.00	\$50,000	\$12,500	\$62,500		2
	Modify lobby to create secure entrance	2,000	sf	100.00	\$200,000	\$50,000	\$250,000		1
Architectural Work Subtotal:					\$1,351,300			\$1,689,125	

MECHANICAL WORK

Plumbing									
	New Pool heater	1	ea	60,000.00	\$60,000	\$15,000	\$75,000	(eliminate need to run boilers)	2
H.V.A.C.									
	Replace Boiler	2	ea	150,000.00	\$300,000	\$75,000	\$375,000		1
	Replace Condensate Pump Units	2	ea	15,000.00	\$30,000	\$7,500	\$37,500		2
	Replace all condensate piping	1,000	LF	50.00	\$50,000	\$12,500	\$62,500		2
	Replace Unit Ventilators with new vertical Units	38	ea	16,000.00	\$608,000	\$152,000	\$760,000		2
	Replace indoor Air Handling Units	3	ea	30,000.00	\$90,000	\$22,500	\$112,500		2
	Add AC to Tech Closet	2	ea	10,000.00	\$20,000	\$5,000	\$25,000	New IDF 2 and IDF3	2
	Replace Exhaust Fans	15	ea	4,000.00	\$60,000	\$15,000	\$75,000		2
Temperature Controls									
	Replace all pneumatic controls with Digital	147,638	SF	2.25	\$332,200	\$83,050	\$415,250		2
	Add controls to pool Air Handling Unit	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		2
Mechanical Work Subtotal:					\$1,560,200			\$1,950,250	

ELECTRICAL WORK

Electrical-Power									
	Add electrical to support technology	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		2
Lighting									
	Upgrade Gym Lighting	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		2
	Upgrade Site Lighting	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		2
	Upgrade Exterior building mounted Lighting	1	ls	9,000.00	\$9,000	\$2,250	\$11,250		2
	Add Exterior Emergency Egress Lighting	1	ls	9,000.00	\$9,000	\$2,250	\$11,250		2
	Add Occupancy Sensors	1	ls	12,000.00	\$12,000	\$3,000	\$15,000		2
	Upgrade Theater House Lights	1	ls	20,000.00	\$20,000	\$5,000	\$25,000		2
	Upgrade Kitchen Lighting	1	ls	8,000.00	\$8,000	\$2,000	\$10,000		2
	Upgrade Aux Gym Lighting	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		2
Electrical Work Subtotal:					\$163,000			\$203,750	

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Northeast Middle School 1305 E. Sugnet Rd., Midland MI 48642 Building Project Work List	Date: 10/1/2014	site visit: 7/8/2014
	Grades: 6-8	enrollment: x
	Year Built: 1950	
	Building Size: 147,638	capacity: x
	Site Size: 13.000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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TECHNOLOGY INFRASTRUCTURE

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
Cabling Infrastructure									
	Remove Category 5 and/or supporting legacy cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		2
	Fiber backbone to IDFs for 10G	4	ea	2,500.00	\$10,000	\$2,500	\$12,500		1
	Additional voice/data structured cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		1
	Allowance for cabling to support series 2 needs	1	allo	7,500.00	\$7,500	\$1,875	\$9,375		2
Network / Wireless / Phone									
	Replace network infr. - building core	1	ea	28,500.00	\$28,500	\$7,125	\$35,625		2
	Replace network infr. - edge switches	24	ea	4,200.00	\$100,800	\$25,200	\$126,000	Based on existing plus 1 per closet growth	2
	Replace UPS in each telecommunication room	5	ea	3,000.00	\$15,000	\$3,750	\$18,750		2
	Network infrastructure for Series 1 needs	1	ls	36,075.00	\$36,075	\$9,019	\$45,094		1
	Replace wireless infrastructure	98	ea	950.00	\$93,100	\$23,275	\$116,375		2
	Replace phone system	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		2
	Replace district servers	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		1
Clock System									
	Replace clock system	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		2
Security									
	Video surveillance	1	ls	41,000.00	\$41,000	\$10,250	\$51,250		1
	Expand access control	1	ls	15,000.00	\$15,000	\$3,750	\$18,750		1
	Install district-wide PA system	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		2
Technology Infrastructure Subtotal:					\$506,975			\$633,719	
Remodeling Subtotal:					\$3,581,475				

SITE WORK

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
Site Infrastructure									
	Demo modular building and restoration	2	ea	10,000.00	\$20,000	\$5,000	\$25,000		2
	Improve site furnishings	1	allo	20,000.00	\$20,000	\$5,000	\$25,000	bike racks, flag pole, fencing	2
Site Paving									
	Replace site concrete	1	allo	7,500.00	\$7,500	\$1,875	\$9,375		2
	Repave parking and drives	1	allo	20,100.00	\$20,100	\$5,025	\$25,125	Problems at auto drop off area	2
Playfields (playground/athletics)									
	Upgrade athletic fields	1	ls	60,000.00	\$60,000	\$15,000	\$75,000	baseball and soccer	2
	Resurface tennis courts	1	ls	75,000.00	\$75,000	\$18,750	\$93,750	nets and fencing	2
Site Work Subtotal:					\$202,600			\$253,250	

INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
Computers and Mobile Devices									
	Replace teacher/staff laptops	76	ea	1,000.00	\$76,000	\$19,000	\$95,000		1
	Mobile devices for teachers/staff	76	ea	650.00	\$49,400	\$12,350	\$61,750		1
	Replace student / lab desktops	64	ea	1,000.00	\$64,000	\$16,000	\$80,000		1
	Replace student laptop carts	1	ea	34,500.00	\$34,500	\$8,625	\$43,125	Replace laptops only, use existing cart	1
	Mobile devices for students (does not include cart)	1,050	ea	650.00	\$682,500	\$170,625	\$853,125	Based on 2013 enrollment +5%	1
	Technology equipment - Series 1	1	ls	395,000.00	\$395,000	\$39,500	\$533,250	Placeholder row for shifting between series	1
	Technology equipment - Series 2	1	ls	170,150.00	\$170,150	\$17,015	\$187,165		2
	Technology equipment - Series 3	2	ls	220,025.00	\$440,050	\$44,005	\$484,055		3
Classroom Technologies									
	Install classroom/lab projectors	61	ea	1,800.00	\$109,800	\$27,450	\$137,250		2
	Install sound field amplification	61	ea	1,250.00	\$76,250	\$19,063	\$95,313		2
	Document camera	10	ea	550.00	\$5,500	\$1,375	\$6,875		1
Technology Equipment subtotal:					\$2,103,150			\$2,576,908	

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Northeast Middle School 1305 E. Sugnet Rd., Midland MI 48642 Building Project Work List	Date: 10/1/2014	site visit: 7/8/2014
	Grades: 6-8	enrollment: x
	Year Built: 1950	
	Building Size: 147,638	capacity: x
	Site Size: 13,000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS									
	Replace BW printers	3	ea	600.00	\$1,800	\$450	\$2,250		1
	Replace color printers	4	ls	1,350.00	\$5,400	\$1,350	\$6,750		1
	Replace BW MFP printers	4	ea	7,500.00	\$30,000	\$7,500	\$37,500		1
	Replace Point of Sale (POS) equipment / Food Service	3	ea	1,000.00	\$3,000	\$750	\$3,750		1
Technology - Audiovisual									
	Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		2
	Conference room / IEP displays	2	ls	2,500.00	\$5,000	\$1,250	\$6,250		2
	Install projector in auditorium	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		2
	Enhance gym sound system	1	ea	2,000.00	\$2,000	\$500	\$2,500		2
	Digital Signage	2	ea	2,800.00	\$5,600	\$1,400	\$7,000		2
Furniture & Furnishings									
	Replacement furniture & furnishings	147,638	ea	1.75	\$258,400	\$31,008	\$289,408	classroom desks and chairs	2
	Replacement equipment	1	allo	15,000.00	\$15,000	\$1,800	\$16,800	athletics	2
F, F, & E Subtotal:					\$396,200		\$459,708		

TOTAL DIRECT COSTS:	\$6,283,425	\$7,766,709
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Project Contingency:	\$628,343
General Conditions:	\$113,465
CM Fee / Reimbursables:	\$350,989
A/E Fee / Reimbursables:	\$350,989

TOTAL PROJECT COSTS:	\$7,727,209
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\$7,727,209 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment H.H. Dow High School 3901 N. Saginaw Rd., Midland, MI 48640 Building Project Work List	Date: 10/1/2014	site visit: 7/2/2014
	Grades: 9 thru 12	enrollment: x
	Year Built: 1967 (Music room & gym 2005, classroom addition 2008)	Building Size: 276,104
	capacity: x	Site Size: 67.000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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NEW CONSTRUCTION

<u>Addition</u>									
	Secure Entrance Office Addition	2,000	sf	192.00	\$384,000	\$96,000	\$480,000		1
New Construction Subtotal:		2,000		192.00	\$384,000			\$480,000	

ARCHITECTURAL WORK

<u>Building Envelope</u>									
	Replace doors, frames and hardware	150	ea	3,000.00	\$450,000	\$112,500	\$562,500		2
	Replace glazing systems	15,000	sf	60.00	\$900,000	\$225,000	\$1,125,000		2
<u>Interior Construction</u>									
	Replace visual display boards	25	ea	2,500.00	\$62,500	\$15,625	\$78,125	chalk to marker	2
	Replace toilet partitions & accessories	20	ea	2,500.00	\$50,000	\$12,500	\$62,500	metal to plastic	2
	Replace gym lockers	500	ea	125.00	\$62,500	\$15,625	\$78,125		2
	Replace folding wall	1	ea	50,000.00	\$50,000	\$12,500	\$62,500	cafeteria	2
	Replace fixed seating - auditorium	500	ea	160.00	\$80,000	\$20,000	\$100,000		2
	Replace fixed seating - bleachers	500	ea	115.00	\$57,500	\$14,375	\$71,875	pool-wood	2
	Renovate Media Center	1	ls	180,000.00	\$180,000	\$45,000	\$225,000	layout for Learn Lab	2
	Renovate science labs	3	ea	125,000.00	\$375,000	\$93,750	\$468,750	casework, sinks, flooring	2
	Renovations to connect to addition	2,000	ea	5.00	\$10,000	\$2,500	\$12,500		1
Architectural Work Subtotal:					\$2,277,500			\$2,846,875	

MECHANICAL WORK

<u>Plumbing</u>									
	New Pool heater (eliminate need to run boilers)	1	ea	60,000.00	\$60,000	\$15,000	\$75,000		2
	Replace galvanized domestic water piping	3,000	LF	40.00	\$120,000	\$30,000	\$150,000		2
	New Dom Water heater for locker rooms (eliminate need t	1	ea	15,000.00	\$15,000	\$3,750	\$18,750		2
<u>H.V.A.C.</u>									
	Replace indoor Air Handling Units	14	ea	30,000.00	\$420,000	\$105,000	\$525,000		2
	New Roof Top Unit with DX for Office area	1	ea	25,000.00	\$25,000	\$6,250	\$31,250	(7.5 Tons)	2
	Add AC to Tech Closet	2	ea	10,000.00	\$20,000	\$5,000	\$25,000	IDF 5 and gym IDF	2
	Add cooling coil to Gym Air Handling Unit	1	ea	5,000.00	\$5,000	\$1,250	\$6,250	(pipe is already there)	2
	Replace Cabinet Unit Heaters	20	ea	5,000.00	\$100,000	\$25,000	\$125,000		2
	Replace Exhaust Fans	20	ea	4,000.00	\$80,000	\$20,000	\$100,000		2
	New outdoor dust collector	1	ea	35,000.00	\$35,000	\$8,800	\$52,550		2
<u>Temperature Controls</u>									
	Replace all pneumatic controls with Digital	276,104	SF	2.25	\$621,200	\$155,300	\$776,500		2
Mechanical Work Subtotal:					\$1,501,200			\$1,885,300	

ELECTRICAL WORK

<u>Electrical-Power</u>									
	Add electrical to support technology	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		2
<u>Lighting</u>									
	Upgrade Site Lighting	1	ls	280,000.00	\$280,000	\$70,000	\$350,000		2
	Upgrade Exterior building mounted Lighting	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		2
	Add Exterior Emergency Egress Lighting	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		2
	Add Occupancy Sensors	1	LS	14,000.00	\$14,000	\$3,500	\$17,500		2
	Upgrade Theater House Lights	1	ls	20,000.00	\$20,000	\$5,000	\$25,000		2
	Provide Emergency Power to Pool Pump	1	ls	40,000.00	\$40,000	\$10,000	\$50,000		2
Electrical Work Subtotal:					\$419,000			\$523,750	

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment H.H. Dow High School 3901 N. Saginaw Rd., Midland, MI 48640 Building Project Work List	Date: 10/1/2014	site visit: 7/2/2014
	Grades: 9 thru 12	enrollment: x
	Year Built: 1967 (Music room & gym 2005, classroom addition 2008)	capacity: x
	Building Size: 276,104	Site Size: 67.000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure									
	Remove Category 5 and/or supporting legacy cabling	1	allo	15,000.00	\$15,000	\$3,750	\$18,750		2
	Fiber backbone to IDFs for 10G	7	ea	2,500.00	\$17,500	\$4,375	\$21,875		1
	Additional voice/data structured cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500	Support office addition and other needs	1
	Allowance for cabling to support series 2 needs	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		2
Network / Wireless / Phone									
	Replace network infr. - building core	1	ea	28,500.00	\$28,500	\$7,125	\$35,625		2
	Replace network infr. - edge switches	50	ea	4,200.00	\$210,000	\$52,500	\$262,500	Based on existing plus 1 per closet growth	2
	Replace UPS in each telecommunication room	8	ea	3,000.00	\$24,000	\$6,000	\$30,000		2
	Network infrastructure for Series 1 needs	1	ls	65,625.00	\$65,625	\$16,406	\$82,031		1
	Replace wireless infrastructure	141	ea	950.00	\$133,950	\$33,488	\$167,438		2
	Replace phone system	1	ls	45,000.00	\$45,000	\$11,250	\$56,250		2
	Replace district servers	1	ls	100,000.00	\$100,000	\$25,000	\$125,000		1
	Refresh/expand servers/management tools series 2	1	allo	50,000.00	\$50,000	\$12,500	\$62,500		2
Clock System									
	Replace clock system	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		2
Security									
	Video surveillance	1	ls	65,000.00	\$65,000	\$16,250	\$81,250		1
	Expand access control	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		1
	Install district-wide PA system	1	ls	55,000.00	\$55,000	\$13,750	\$68,750		2
Technology Infrastructure Subtotal:					\$884,575			\$1,105,719	
Remodeling Subtotal:					\$5,082,275				

SITE WORK

Site Infrastructure									
	Demo modular Building	3	ea	10,000.00	\$30,000	\$7,500	\$37,500		2
	Remove and replace fencing	1	allo	10,000.00	\$10,000	\$2,500	\$12,500	Install two gates to control access	2
	Improve site furnishings	1	allo	150,000.00	\$150,000	\$37,500	\$187,500	bike racks, flag pole, fencing	2
	Improve site grading / landscaping	1	allo	50,000.00	\$50,000	\$12,500	\$62,500	Additional storm sewer detention area	2
	Site Work for Addition	2,000	sf	8.00	\$16,000	\$4,000	\$20,000		1
Site Paving									
	Replace site concrete	48,200	SF	6.00	\$289,200	\$72,300	\$361,500	Remove concrete, re-grade, eliminate step	2
	Remove and replace 24" curb and gutter	1,000	LF	20.00	\$20,000	\$5,000	\$25,000		2
	Asphalt curb	1	allo	3,000.00	\$3,000	\$750	\$3,750		2
	Repave parking and drives	389	ksf	2,500.00	\$972,500	\$243,125	\$1,215,625	Regrading, reconstructing for step removal	2
Playfields (playground/athletics)									
	Improve playground / playfield area	1	ls	160,000.00	\$160,000	\$40,000	\$200,000	athletic support building	2
	Resurface tennis courts	1	allo	100,000.00	\$100,000	\$25,000	\$125,000	nets and fencing	2
Site Work Subtotal:					\$1,800,700			\$2,250,875	

INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices									
	Replace teacher/staff laptops	115	ea	1,000.00	\$115,000	\$28,750	\$143,750		1
	Mobile devices for teachers/staff	115	ea	650.00	\$74,750	\$18,688	\$93,438		1
	Replace student / lab desktops	320	ea	1,000.00	\$320,000	\$80,000	\$400,000		1
	Replace lab workstations (CAD, arts, video production)	77	ea	1,800.00	\$138,600	\$34,650	\$173,250		1
	Replace student laptop carts	4	ea	34,500.00	\$138,000	\$34,500	\$172,500	Replace laptops only, reuse existing cart	1
	Mobile devices for students (does not include cart)	1,355	ea	650.00	\$880,750	\$220,188	\$1,100,938	Based on 2013 enrollment +5%	1
	Technology equipment - Series 2	1	ls	711,600.00	\$711,600	\$71,160	\$782,760	Refresh of computers	2
	Technology equipment - Series 3	2	ls	294,937.50	\$589,875	\$58,988	\$648,863	2x Refresh of mobile devices (1 at beginning)	3
Classroom Technologies									
	Install classroom/lab projectors	98	ea	1,800.00	\$176,400	\$44,100	\$220,500		2
	Install sound field amplification	98	ea	1,250.00	\$122,500	\$30,625	\$153,125		2
	Document camera	20	ea	550.00	\$11,000	\$2,750	\$13,750		1
Technology Equipment subtotal:					\$3,278,475			\$3,902,873	

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment H.H. Dow High School 3901 N. Saginaw Rd., Midland, MI 48640 Building Project Work List	Date: 10/1/2014	site visit: 7/2/2014
	Grades: 9 thru 12	enrollment: x
	Year Built: 1967 (Music room & gym 2005, classroom addition 2008)	
	Building Size: 276,104	capacity: x
	Site Size: 67.000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS									
	Replace BW printers	14	ea	600.00	\$8,400	\$2,100	\$10,500		1
	Replace color printers	5	ls	1,350.00	\$6,750	\$1,688	\$8,438		1
	Replace BW MFP printers	5	ea	7,500.00	\$37,500	\$9,375	\$46,875		1
	Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		1
Technology - Audiovisual									
	Media center audiovisual	1	ls	15,000.00	\$15,000	\$3,750	\$18,750		2
	Audiovisual for collaboration spaces (small group)	2	ea	10,000.00	\$20,000	\$5,000	\$25,000		2
	Audiovisual for collaboration spaces (whole class)	2	ea	35,000.00	\$70,000	\$17,500	\$87,500		2
	Audiovisual for online learning space	2	ls	5,000.00	\$10,000	\$2,500	\$12,500		2
	Conference room / IEP displays	4	ls	2,500.00	\$10,000	\$2,500	\$12,500		2
	Install projector in auditorium	1	ea	50,000.00	\$50,000	\$12,500	\$62,500		2
	Recording capabilities in band and orchestra classrooms	2	ea	10,000.00	\$20,000	\$5,000	\$25,000		2
	Enhance gym sound system	1	ea	2,000.00	\$2,000	\$500	\$2,500		2
	Digital Signage	4	ea	2,800.00	\$11,200	\$2,800	\$14,000		2
Furniture & Furnishings									
	Replacement furniture & furnishings	276,104	ea	1.75	\$483,200	\$57,984	\$541,184	classroom desks and chairs	2
	Replacement equipment	1	allo	50,000.00	\$50,000	\$6,000	\$56,000	athletics	2
	Furniture for Addition	2,000	sf	6.00	\$12,000	\$1,440	\$13,440	office desks and chairs	2
F, F, & E Subtotal:					\$816,050		\$949,187		

TOTAL DIRECT COSTS:	\$11,361,500	\$13,944,578
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Project Contingency:	\$1,136,150
General Conditions:	\$201,201
CM Fee / Reimbursables:	\$618,464
A/E Fee / Reimbursables:	\$618,464

TOTAL PROJECT COSTS:	\$13,935,778
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\$13,935,778 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Midland High School
 1301 Eastlawn, Midland, MI 48642
Building Project Work List

Date: 10/1/2014 site visit: 7/2/2014
 Grades: 9 thru 12 enrollment: x
 Year Built: 1955 (Music room & aux. gym in 2006)
 Building Size: 295,752 capacity: x
 Site Size: 39.000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
ARCHITECTURAL WORK									
Environmental									
	Abate asbestos floor tile	10	ksf	1,500.00	\$15,000	\$3,750	\$18,750	corridor	2
Building Envelope									
	Add downspout and gutters	1	allo	5,000.00	\$5,000	\$1,250	\$6,250	Roof overflow causing concrete to heave	2
Interior Construction									
	Replace flooring	10,000	sf	4.25	\$42,500	\$10,625	\$53,125	corridor VAT	2
	Replace visual display boards	50	ea	2,500.00	\$125,000	\$31,250	\$156,250	chalk to marker	2
	Replace toilet partitions & accessories	20	ea	2,500.00	\$50,000	\$12,500	\$62,500	metal to plastic	2
	Replace lockers	1,500	ea	100.00	\$150,000	\$37,500	\$187,500	original	2
	Replace gym lockers	500	ea	125.00	\$62,500	\$15,625	\$78,125		2
	Replace gym equipment	8	ea	2,500.00	\$20,000	\$5,000	\$25,000	original backboards	2
	Replace fixed seating - auditorium	500	ea	160.00	\$80,000	\$20,000	\$100,000	original	2
	Replace elevator	1	ls	75,000.00	\$75,000	\$18,750	\$93,750	freight	2
	Modify lobby to create secure entrance	2,000	sf	100.00	\$200,000	\$50,000	\$250,000		1
	Renovate Media Center	1	ls	180,000.00	\$180,000	\$45,000	\$225,000	layout for Learn Lab	2
	Renovate locker rooms	6,000	sf	75.00	\$450,000	\$112,500	\$562,500	layout, lockers, flooring	2
	Renovate science labs	3	ea	125,000.00	\$375,000	\$93,750	\$468,750	casework, sinks, flooring	2
	Architectural Work Subtotal:				\$1,830,000			\$2,287,500	
MECHANICAL WORK									
Plumbing									
	New small steam boiler for dishwasher	1	ea	25,000.00	\$25,000	\$6,250	\$31,250	(to eliminate need to run boilers)	2
	Replace expansion joints on domestic HW pipe	6	ea	1,000.00	\$6,000	\$1,500	\$7,500		2
H.V.A.C.									
	Replace all condensate piping	1,500	LF	50.00	\$75,000	\$18,750	\$93,750		2
	Replace indoor Air Handling Units	9	ea	30,000.00	\$270,000	\$67,500	\$337,500		2
	Replace Locker Room Heating & Venting Unit	1	ea	30,000.00	\$30,000	\$7,500	\$37,500		2
	Replace gym Heat & Vent unit	1	ea	40,000.00	\$40,000	\$10,000	\$50,000		2
	Add AC to Tech Closet	2	ea	10,000.00	\$20,000	\$5,000	\$25,000	IDF (by 224) and IDF (by 321A)	2
	Correct Welding shop Ventilation Problems	1	LS	10,000.00	\$10,000	\$2,500	\$12,500		2
	Add heat for rooms 113 -118	1	LS	10,000.00	\$10,000	\$2,500	\$12,500	(pipe freeze problems)	2
Temperature Controls									
	Replace all pneumatic controls with Digital	295,752	SF	2.25	\$665,400	\$166,350	\$831,750		2
	Mechanical Work Subtotal:				\$1,151,400			\$1,439,250	
ELECTRICAL WORK									
Electrical-Power									
	Add electrical to support technology	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		2
Lighting									
	Upgrade Gym Lighting	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		2
	Upgrade Site Lighting	1	ls	250,000.00	\$250,000	\$62,500	\$312,500		2
	Upgrade Exterior building mounted Lighting	1	ls	22,000.00	\$22,000	\$5,500	\$27,500		2
	Add Exterior Emergency Egress Lighting	1	ls	12,000.00	\$12,000	\$3,000	\$15,000		2
	Add Occupancy Sensors	1	ls	14,000.00	\$14,000	\$3,500	\$17,500		2
	Football Field Lighting Control Upgrade	1	ls	8,000.00	\$8,000	\$2,000	\$10,000		2
	Add power receptacles around track	1	ls	10,000.00	\$10,000	\$2,500	\$12,500		2
	Upgrade Lighting in Field Locker/Toilets/Concessions	1	ls	6,000.00	\$6,000	\$1,500	\$7,500		2
	Upgrade Gym/Exterior Lighting Controls	1	ls	5,000.00	\$5,000	\$1,250	\$6,250		2
	Change CF lamped fixtures to LED	1	ls	4,000.00	\$4,000	\$1,000	\$5,000		2
	Electrical Work Subtotal:				\$371,000			\$463,750	

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Midland High School 1301 Eastlawn, Midland, MI 48642 Building Project Work List	Date: 10/1/2014	site visit: 7/2/2014
	Grades: 9 thru 12	enrollment: x
	Year Built: 1955 (Music room & aux. gym in 2006)	
	Building Size: 295,752	capacity: x
	Site Size: 39.000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure

Remove Category 5 and/or supporting legacy cabling	1	allo	15,000.00	\$15,000	\$3,750	\$18,750		2
Fiber backbone to IDFs for 10G	8	ea	2,500.00	\$20,000	\$5,000	\$25,000		1
Replace voice/data structured cabling	1	allo	180.00	\$180	\$45	\$225		1
Additional voice/data structured cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		1
Allowance for cabling to support series 2 needs	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		2

Network / Wireless / Phone

Replace network infr. - building core	1	ea	28,500.00	\$28,500	\$7,125	\$35,625		2
Replace network infr. - edge switches	50	ea	4,200.00	\$210,000	\$52,500	\$262,500	Based on existing plus 1 per closet growth	2
Replace UPS in each telecommunication room	9	ea	3,000.00	\$27,000	\$6,750	\$33,750		2
Network infrastructure for Series 1 needs	1	ls	66,375.00	\$66,375	\$16,594	\$82,969		1
Replace wireless infrastructure	135	ea	950.00	\$128,250	\$32,063	\$160,313		2
Replace phone system	1	ls	45,000.00	\$45,000	\$11,250	\$56,250		2

Clock System

Replace clock system	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		2
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Security

Video surveillance	1	ls	65,000.00	\$65,000	\$16,250	\$81,250		1
Expand access control	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		1
Install district-wide PA system	1	ls	55,000.00	\$55,000	\$13,750	\$68,750		2

Technology Infrastructure Subtotal: \$735,305 \$919,131

Remodeling Subtotal: \$4,087,705

SITE WORK

Site Infrastructure

Remove and replace fencing	1	allo	50,000.00	\$50,000	\$12,500	\$62,500	Remove guardrail and fence at East parkir	2
Improve site furnishings	1	allo	150,000.00	\$150,000	\$37,500	\$187,500	bike racks, flag pole, fencing	2
Improve site grading / landscaping	1	allo	100,000.00	\$100,000	\$25,000	\$125,000	Remove NW corner of East P.L. (580 SY),	2

Site Paving

Replace site concrete	1	allo	25,000.00	\$25,000	\$6,250	\$31,250	4100 sf of concrete walk	2
Replace site concrete (deep strength)	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	700 sf concrete service area	2
Repave parking and drives	266	ksf	2,500.00	\$665,000	\$166,250	\$831,250	Remove/Replace paving in East and SW F	2
Improve traffic control issues	1	allo	30,000.00	\$30,000	\$7,500	\$37,500	Traffic issues at Parent Drop Off area	2

Playfields (playground/athletics)

Resurface track	1	allo	75,000.00	\$75,000	\$18,750	\$93,750		2
Improve playground / playfield area	1	ls	545,000.00	\$545,000	\$136,250	\$681,250	athletic support building, press box, bleach	2
Replace football field turf	1	allo	900,000.00	\$900,000	\$225,000	\$1,125,000	synthetic turf	2
Resurface tennis courts	1	allo	250,000.00	\$250,000	\$62,500	\$312,500	8 courts, remove and replace nets and pos	2

Site Work Subtotal: \$2,805,000 \$3,506,250

INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices

Replace teacher/staff laptops	117	ea	1,000.00	\$117,000	\$29,250	\$146,250		1
Mobile devices for teachers/staff	117	ea	650.00	\$76,050	\$19,013	\$95,063		1
Replace student / lab desktops	320	ea	1,000.00	\$320,000	\$80,000	\$400,000		1
Replace lab workstations (CAD, arts, video production)	77	ea	1,800.00	\$138,600	\$34,650	\$173,250		1
Replace student laptop carts	4	ea	34,500.00	\$138,000	\$34,500	\$172,500	Replace laptops only, reuse existing cart	1
Mobile devices for students (does not include cart)	1,538	ea	650.00	\$999,700	\$249,925	\$1,249,625	Based on 2013 enrollment +5%	1
Technology equipment - Series 2	1	ls	713,600.00	\$713,600	\$71,360	\$784,960	Refresh of computers	2
Technology equipment - Series 3	1	ls	651,950.00	\$651,950	\$65,195	\$717,145	2x Refresh of mobile devices (1 at beginni	3

Classroom Technologies

Install classroom/lab projectors	107	ea	1,800.00	\$192,600	\$48,150	\$240,750		2
Install sound field amplification	107	ea	1,250.00	\$133,750	\$33,438	\$167,188		2
Document camera	20	ea	550.00	\$11,000	\$2,750	\$13,750		1

Technology Equipment subtotal: \$3,492,250 \$4,160,480

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Midland High School 1301 Eastlawn, Midland, MI 48642 Building Project Work List	Date: 10/1/2014	site visit: 7/2/2014
	Grades: 9 thru 12	enrollment: x
	Year Built: 1955 (Music room & aux. gym in 2006)	
	Building Size: 295,752	capacity: x
	Site Size: 39.000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS									
	Replace BW printers	11	ea	600.00	\$6,600	\$1,650	\$8,250		1
	Replace color printers	6	ls	1,350.00	\$8,100	\$2,025	\$10,125		1
	Replace BW MFP printers	8	ea	7,500.00	\$60,000	\$15,000	\$75,000		1
	Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		1
	Replace Point of Sale (POS) equipment / Food Service	6	ea	1,000.00	\$6,000	\$1,500	\$7,500		1
Technology - Audiovisual									
	Media center audiovisual	1	ls	15,000.00	\$15,000	\$3,750	\$18,750		2
	Audiovisual for collaboration spaces (small group)	2	ea	10,000.00	\$20,000	\$5,000	\$25,000		2
	Audiovisual for collaboration spaces (whole class)	2	ea	35,000.00	\$70,000	\$17,500	\$87,500		2
	Audiovisual for online learning space	2	ls	5,000.00	\$10,000	\$2,500	\$12,500		2
	Conference room / IEP displays	4	ls	2,500.00	\$10,000	\$2,500	\$12,500		2
	Install projector in auditorium	1	ea	50,000.00	\$50,000	\$12,500	\$62,500		2
	Recording capabilities in band and orchestra classrooms	2	ea	10,000.00	\$20,000	\$5,000	\$25,000		2
	Replace gym sound system	1	ea	15,000.00	\$15,000	\$3,750	\$18,750		2
	Enhance gym sound system	1	ea	2,000.00	\$2,000	\$500	\$2,500		2
	Digital Signage	4	ea	2,800.00	\$11,200	\$2,800	\$14,000		2
Furniture & Furnishings									
	Replacement furniture & furnishings	295,752	ea	1.75	\$517,600	\$62,112	\$579,712	classroom desks and chairs	2
	Replacement equipment	1	allo	50,000.00	\$50,000	\$6,000	\$56,000	athletics	2
F, F, & E Subtotal:					\$881,500			\$1,028,087	

TOTAL DIRECT COSTS:	\$11,266,455	\$13,804,448
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Project Contingency:	\$1,126,646
General Conditions:	\$198,018
CM Fee / Reimbursables:	\$606,665
A/E Fee / Reimbursables:	\$606,665

TOTAL PROJECT COSTS:	\$13,804,448
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\$13,804,448 check #

Notes:
Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS**District Wide Facility Assessment****Midland Schools - Administration Office**

600 E. Carpenter St., Midland MI, 48640

Building Project Work List

Date: 10/1/2014 site visit: 7/8/2014

Grades: N/A enrollment: N/A

Year Built: unknown

Building Size: 27,558 capacity: N/A

Site Size: x

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
ARCHITECTURAL WORK									
<u>Interior Construction</u>									
	Renovations for Head End relocation	12,000	sf	25.00	\$300,000	\$75,000	\$375,000	for data center	2
Architectural Work Subtotal:					\$300,000			\$375,000	
MECHANICAL WORK									
<u>H.V.A.C.</u>									
	Replace Boiler/pumps	2	ea	100,000.00	\$200,000	\$50,000	\$250,000		2
	Replace indoor Air Handling Units	2	ea	30,000.00	\$60,000	\$15,000	\$75,000		2
	Replace 20 ton Condensing Units	2	ea	20,000.00	\$40,000	\$10,000	\$50,000		2
	Add AC to Tech Closet	1	ea	30,000.00	\$30,000	\$7,500	\$37,500	For relocated data center	2
	Replace Steam Humidifiers	2	ea	8,000.00	\$16,000	\$4,000	\$20,000		2
	Replace Electric Cabinet Unit Heaters	4	ea	5,000.00	\$20,000	\$5,000	\$25,000	new Hot Water CUH	2
	Replace dual duct boxes w/VAV	36	ea	4,000.00	\$144,000	\$36,000	\$180,000		2
	Replace Exhaust Fans	3	ea	4,000.00	\$12,000	\$3,000	\$15,000		2
<u>Temperature Controls</u>									
	Replace all pneumatic controls with Digital	10,000	SF	2.25	\$22,500	\$5,625	\$28,125		2
Mechanical Work Subtotal:					\$544,500			\$680,625	
ELECTRICAL WORK									
<u>Electrical-Power</u>									
	Add emergency generator	1	ls	88,000.00	\$88,000	\$22,000	\$110,000	for data center	2
	Add electrical to support technology	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	Includes electrical related to moving data c	2
<u>Lighting</u>									
	Upgrade Site Lighting	1	ls	84,000.00	\$84,000	\$21,000	\$105,000		2
	Upgrade Exterior building mounted Lighting	1	ls	15,000.00	\$15,000	\$3,750	\$18,750		2
	Add Exterior Emergency Egress Lighting	1	ls	2,500.00	\$2,500	\$625	\$3,125		2
	Add Occupancy Sensors	1	ls	7,000.00	\$7,000	\$1,750	\$8,750		2
	Upgrade Lighting Throughout Building	27,558	sf	6.00	\$165,300	\$41,325	\$206,625		2
	Relocate MDF Room	1	ls	10,000.00	\$10,000	\$2,500	\$12,500		2
	Replace Bus Block Heater System	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		2
Electrical Work Subtotal:					\$416,800			\$521,000	
TECHNOLOGY INFRASTRUCTURE									
<u>Cabling Infrastructure</u>									
	Remove Category 5 and/or supporting legacy cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
	Replace telecommunication rooms / relocate data center	1	ea	15,000.00	\$15,000	\$3,750	\$18,750	Relocate data center	2
	Replace voice/data structured cabling	254	ea	180.00	\$45,630	\$11,408	\$57,038		2
	Allowance for cabling to support series 1 needs	1	allo	2,000.00	\$2,000	\$500	\$2,500		1
<u>Network / Wireless / Phone</u>									
	Replace network infr. - building/district core	1	ea	100,000.00	\$100,000	\$25,000	\$125,000		2
	Replace network infr. - edge switches	10	ea	4,200.00	\$42,000	\$10,500	\$52,500	Based on existing plus 1 per closet growth	2
	Replace UPS in each telecommunication room	3	ea	3,000.00	\$9,000	\$2,250	\$11,250		2
	Network infrastructure for Series 1 needs	1	ls	37,750.00	\$37,750	\$9,438	\$47,188		1
	Replace wireless infrastructure	21	ea	950.00	\$19,950	\$4,988	\$24,938	Includes 2 for Juvenile Center	2
	Replace phone system	1	ls	150,000.00	\$150,000	\$37,500	\$187,500		2
	Replace district servers	1	ls	350,000.00	\$350,000	\$87,500	\$437,500		1
	Refresh/expand servers/management tools series 2	1	allo	175,000.00	\$175,000	\$43,750	\$218,750		2
<u>Clock System</u>									
	Replace clock system	1	ls	15,000.00	\$15,000	\$3,750	\$18,750		1
<u>Security</u>									
	Video surveillance	1	ls	85,000.00	\$85,000	\$21,250	\$106,250	Includes central servers	1
	Expand access control	1	ls	9,500.00	\$9,500	\$2,375	\$11,875		1
	Add intrusion detection	1	ls	8,000.00	\$8,000	\$2,000	\$10,960	Not in bond scope	1
	Install district-wide PA system	1	ls	55,000.00	\$55,000	\$13,750	\$68,750		1
Technology Infrastructure Subtotal:					\$1,123,830			\$1,405,748	
Remodeling Subtotal:					\$2,385,130				

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Midland Schools - Administration Office 600 E. Carpenter St., Midland MI, 48640 Building Project Work List	Date: 10/1/2014	site visit: 7/8/2014
	Grades: N/A	enrollment: N/A
	Year Built: unknown	
	Building Size: 27,558	capacity: N/A
	Site Size: x	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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SITE WORK

Site Infrastructure

Replace hand rails on stairs	1	allo	10,000.00	\$10,000	\$2,500	\$12,500			2
Replace fencing	1	allo	12,000.00	\$12,000	\$3,000	\$15,000			2

Site Work Subtotal:				\$22,000			\$27,500		
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NON-INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices

Replace teacher/staff laptops	60	ea	1,000.00	\$60,000	\$15,000	\$75,000	Estimate. Includes Juvenile staff		1
Mobile devices for teachers/staff	60	ea	650.00	\$38,880	\$9,720	\$48,599			1
Technology equipment - Series 2	1	ls	97,692.00	\$97,692	\$9,769	\$107,461			2
Technology equipment - Series 3	1	ls	54,391.00	\$54,391	\$5,439	\$59,830			3

Technology Equipment subtotal:				\$250,963			\$290,891		
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FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS

Replace BW printers	4	ea	600.00	\$2,400	\$600	\$3,000	Includes Juvenile & Post-Secondary Progr		1
Replace color printers	1	ls	1,350.00	\$1,350	\$338	\$1,688	Includes Juvenile & Post-Secondary Progr		1
Replace BW MFP printers	7	ea	7,500.00	\$52,500	\$13,125	\$65,625	Includes Juvenile & Post-Secondary Progr		1
Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500			1

Technology - Audiovisual

Conference room / IEP displays	7	ls	2,500.00	\$17,500	\$4,375	\$21,875			1
Digital Signage	1	ls	35,000.00	\$35,000	\$8,750	\$43,750	Includes central servers		1

Furniture & Furnishings

Replacement furniture & furnishings	1	allo	25,000.00	\$25,000	\$3,000	\$28,000	office desks and chairs		2
Replacement equipment	1	allo	5,000.00	\$5,000	\$600	\$5,600	custodial		2

F, F, & E Subtotal:				\$148,750			\$182,038		
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TOTAL DIRECT COSTS:	\$2,806,843						\$3,482,801		
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Project Contingency:	\$280,684
General Conditions:	\$53,095
CM Fee / Reimbursables:	\$170,609
A/E Fee / Reimbursables:	\$170,609

TOTAL PROJECT COSTS:	\$3,481,841
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\$3,481,841 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS	Date: 10/1/2014	site visit: 7/8/2014
District Wide Facility Assessment	Grades: N/A	enrollment: N/A
Transportation & Maintenance Building	Year Built: unknown	
410 E. Hines St., Midland, MI	Building Size: 34,440	capacity: N/A
Building Project Work List	Site Size: x	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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ARCHITECTURAL WORK**Building Envelope**

Replace roof system - partial	10,000	sf	9.00	\$90,000	\$22,500	\$112,500	warehouse area	2
Architectural Work Subtotal:				\$90,000			\$112,500	

MECHANICAL WORK**H.V.A.C.**

Replace Boiler/pumps	1	ea	100,000.00	\$100,000	\$25,000	\$125,000		2
Replace Office Heating & Venting Units	1	ea	20,000.00	\$20,000	\$5,000	\$25,000	new 5 Ton RTU	2
Replace Unit Heaters (gas fired)	5	ea	5,000.00	\$25,000	\$6,250	\$31,250		2
Mechanical Work Subtotal:				\$145,000			\$181,250	

ELECTRICAL WORK**Electrical-Power**

Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
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Lighting

Upgrade Exterior building mounted Lighting	1	ls	5,600.00	\$5,600	\$1,400	\$7,000		2
Add Exterior Emergency Egress Lighting	1	ls	4,800.00	\$4,800	\$1,200	\$6,000		2
Add Occupancy Sensors	1	ls	4,000.00	\$4,000	\$1,000	\$5,000		2
Upgrade Existing T12 Lighting	1	ls	40,000.00	\$40,000	\$10,000	\$50,000		2
Electrical Work Subtotal:				\$59,400			\$74,250	

TECHNOLOGY INFRASTRUCTURE**Cabling Infrastructure**

Remove Category 5 and/or supporting legacy cabling	1	allo	1,000.00	\$1,000	\$250	\$1,250		1
Additional voice/data structured cabling	1	allo	1,500.00	\$1,500	\$375	\$1,875		1
Allowance for cabling to support series 2 needs	1	allo	1,500.00	\$1,500	\$375	\$1,875		2

Network / Wireless / Phone

Replace network infr. - building core	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		2
Replace network infr. - edge switches	2	ea	4,200.00	\$8,400	\$2,100	\$10,500	Based on existing plus 1 per closet growth	2
Replace UPS in each telecommunication room	1	ea	2,000.00	\$2,000	\$500	\$2,500		2
Network infrastructure for Series 1 needs	1	ls	5,100.00	\$5,100	\$1,275	\$6,375		1
Replace phone system	1	ls	7,500.00	\$7,500	\$1,875	\$9,375		2

Security

Video surveillance	1	ls	12,000.00	\$12,000	\$3,000	\$15,000		1
Expand access control	1	ls	5,000.00	\$5,000	\$1,250	\$6,250		1
Install district-wide PA system	1	ls	10,000.00	\$10,000	\$2,500	\$12,500		1
Technology Infrastructure Subtotal:				\$64,000			\$80,000	

Remodeling Subtotal:	\$358,400
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SITE WORK**Site Paving**

Repave parking and drives	10	ksf	2,500.00	\$25,000	\$6,250	\$31,250		2
Site Work Subtotal:				\$25,000			\$31,250	

NON-INSTRUCTIONAL TECHNOLOGY EQUIPMENT**Computers and Mobile Devices**

Replace teacher/staff laptops	6	ea	1,000.00	\$6,000	\$1,500	\$7,500		1
Mobile devices for teachers/staff	6	ea	650.00	\$3,900	\$975	\$4,875		1
Technology equipment - Series 2	1	ls	9,900.00	\$9,900	\$990	\$10,890		2
Technology equipment - Series 3	1	ls	9,900.00	\$9,900	\$990	\$10,890		3
Technology Equipment subtotal:				\$29,700			\$34,155	

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Transportation & Maintenance Building 410 E. Hines St., Midland, MI Building Project Work List	Date: 10/1/2014	site visit: 7/8/2014
	Grades: N/A	enrollment: N/A
	Year Built: unknown	
	Building Size: 34,440	capacity: N/A
	Site Size: x	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS									
	Replace BW printers	2	ea	600.00	\$1,200	\$300	\$1,500		1
	Replace color printers	1	ls	1,350.00	\$1,350	\$338	\$1,688		1
	Replace BW MFP printers	1	ea	7,500.00	\$7,500	\$1,875	\$9,375		1
Technology - Audiovisual									
	Digital Signage	1	ea	2,800.00	\$2,800	\$700	\$3,500		1
Furniture & Furnishings									
	Bus Replacement - Series 1	19	ea	85,000.00	\$1,615,000	\$193,800	\$1,808,800		1
	Bus Replacement - Series 2	11	ea	90,000.00	\$990,000	\$118,800	\$1,108,800		2
	Bus Replacement - Series 3	26	sf	95,000.00	\$2,470,000	\$296,400	\$2,766,400		3
F, F, & E Subtotal:					\$5,087,850		\$5,700,063		

TOTAL DIRECT COSTS: \$5,500,950 \$6,213,468

Project Contingency:	\$550,095
General Conditions:	\$109,623
CM Fee / Reimbursables:	\$26,400
A/E Fee / Reimbursables:	\$26,400

TOTAL PROJECT COSTS:	\$6,213,468
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\$6,213,468 check #

Notes:
Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Grounds Building 417 E. Hines St., Midland, MI Building Project Work List	Date: 10/1/2014	site visit: 7/8/2014
	Grades: N/A	enrollment: N/A
	Year Built: unknown	
	Building Size: 7,700	capacity: N/A
	Site Size: x	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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MECHANICAL WORK

H.V.A.C.									
	Replace Unit Heaters (gas fired)	4	ea	5,000.00	\$20,000	\$5,000	\$25,000		2
	Replace Radiant Heaters (gas)	2	ea	5,000.00	\$10,000	\$2,500	\$12,500		2
Mechanical Work Subtotal:					\$30,000			\$37,500	

ELECTRICAL WORK

Electrical-Power									
	Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
Lighting									
	Upgrade Exterior building mounted Lighting	1	ls	2,800.00	\$2,800	\$700	\$3,500		2
	Add Exterior Emergency Egress Lighting	1	ls	2,400.00	\$2,400	\$600	\$3,000		2
	Add Occupancy Sensors	1	LS	2,000.00	\$2,000	\$500	\$2,500		2
	Upgrade Existing T12 Lighting	1	ls	20,000.00	\$20,000	\$5,000	\$25,000		2
Electrical Work Subtotal:					\$32,200			\$40,250	

TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure									
	Remove Category 5 and/or supporting legacy cabling	1	allo	1,000.00	\$1,000	\$250	\$1,250		1
	Additional voice/data structured cabling	1	allo	1,500.00	\$1,500	\$375	\$1,875		1
	Allowance for cabling to support series 2 needs	1	allo	1,500.00	\$1,500	\$375	\$1,875		2
Network / Wireless / Phone									
	Replace network infr. - building core	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		2
	Replace network infr. - edge switches	1	ea	4,200.00	\$4,200	\$1,050	\$5,250		2
	Replace UPS in each telecommunication room	1	ea	2,000.00	\$2,000	\$500	\$2,500		2
	Network infrastructure for Series 1 needs	1	ls	4,050.00	\$4,050	\$1,013	\$5,063		1
	Replace phone system	1	ls	3,500.00	\$3,500	\$875	\$4,375		2
Security									
	Video surveillance	1	ls	2,500.00	\$2,500	\$625	\$3,125		1
	Expand access control	1	ls	2,500.00	\$2,500	\$625	\$3,125		1
	Install district-wide PA system	1	ls	10,000.00	\$10,000	\$2,500	\$12,500		1
Technology Infrastructure Subtotal:					\$42,750			\$53,438	
Remodeling Subtotal:					\$104,950				

SITE WORK

Site Paving									
	Repave parking and drives	10	ksf	2,500.00	\$25,000	\$6,250	\$31,250		2
Site Work Subtotal:					\$25,000			\$31,250	

NON-INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices									
	Replace teacher/staff laptops	6	ea	1,000.00	\$6,000	\$1,500	\$7,500		1
	Mobile devices for teachers/staff	6	ea	650.00	\$3,900	\$975	\$4,875		1
	Technology equipment - Series 2	1	ls	9,900.00	\$9,900	\$990	\$10,890		2
	Technology equipment - Series 3	1	ls	9,900.00	\$9,900	\$990	\$10,890		3
Technology Equipment subtotal:					\$29,700			\$34,155	

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Grounds Building 417 E. Hines St., Midland, MI Building Project Work List	Date: 10/1/2014	site visit: 7/8/2014
	Grades: N/A	enrollment: N/A
	Year Built: unknown	
	Building Size: 7,700	capacity: N/A
	Site Size: x	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS									
	Replace color printers	1	ls	1,350.00	\$1,350	\$338	\$1,688		1
	Replace BW MFP printers	1	ea	7,500.00	\$7,500	\$1,875	\$9,375		1
Technology - Audiovisual									
	Digital Signage	1	ea	2,800.00	\$2,800	\$700	\$3,500		1
Furniture & Furnishings									
	Replacement equipment	1	allo	25,000.00	\$25,000	\$3,000	\$28,000	grounds, fork lift	1
F, F, & E Subtotal:					\$36,650			\$42,563	

TOTAL DIRECT COSTS:	\$196,300	\$239,155
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Project Contingency:	\$19,630
General Conditions:	\$3,530
CM Fee / Reimbursables:	\$9,848
A/E Fee / Reimbursables:	\$9,848

TOTAL PROJECT COSTS:	\$239,155
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\$239,155 check #

Notes:

Indirect costs include: contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Cook Elementary School 5500 Perrine, Midland, MI Building Project Work List	Date: 10/1/2014	site visit: N/A
	Grades: N/A	enrollment: N/A
	Year Built: 1948	
	Building Size: 38,996	capacity: 330
	Site Size: 9.000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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ARCHITECTURAL WORK

<u>Environmental</u>									
	Abate asbestos for building demolition	38,996	sf	2.00	\$78,000	\$19,500	\$97,500		2
Architectural Work Subtotal:					\$78,000			\$97,500	
Remodeling Subtotal:					\$78,000				

SITE WORK

<u>Site Infrastructure</u>									
	Demo building & restoration	38,996	sf	6.00	\$234,000	\$58,500	\$292,500	including restoration	2
Site Work Subtotal:					\$234,000			\$292,500	

TOTAL DIRECT COSTS:					\$312,000			\$390,000	
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Project Contingency: \$31,200
 General Conditions: \$6,240
 CM Fee / Reimbursables: \$20,280
 A/E Fee / Reimbursables: \$20,280

TOTAL PROJECT COSTS:	\$390,000
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\$390,000 check #

Notes:
 Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Mills Elementary School 3329 E. Baker Rd., Midland, MI Building Project Work List	Date: 10/1/2014	site visit: N/A
	Grades: N/A	enrollment: N/A
	Year Built: 1959	Building Size: 24,937
	capacity: 135	Site Size: 20.000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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ARCHITECTURAL WORK

<u>Environmental</u>									
	Abate asbestos for building demolition	24,937	sf	2.00	\$49,900	\$12,475	\$62,375		2
Architectural Work Subtotal:					\$49,900			\$62,375	
Remodeling Subtotal:					\$49,900				

SITE WORK

<u>Site Infrastructure</u>									
	Demo building & restoration	24,937	sf	6.00	\$149,600	\$37,400	\$187,000	including restoration	2
Site Work Subtotal:					\$149,600			\$187,000	

TOTAL DIRECT COSTS:	\$199,500	\$249,375
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Project Contingency:	\$19,950
General Conditions:	\$3,990
CM Fee / Reimbursables:	\$12,968
A/E Fee / Reimbursables:	\$12,968

TOTAL PROJECT COSTS:	\$249,375
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\$249,375 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Parkdale Elementary School 1609 Eastlawn Dr., Midland, MI Building Project Work List	Date: 10/1/2014	site visit: N/A
	Grades: N/A	enrollment: N/A
	Year Built: 1955	
	Building Size: 41,398	capacity: 310
	Site Size: 14.000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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ARCHITECTURAL WORK

<u>Environmental</u>									
	Abate asbestos for building demolition	41,398	sf	2.00	\$82,800	\$20,700	\$103,500		2
Architectural Work Subtotal:					\$82,800			\$103,500	
Remodeling Subtotal:					\$82,800				

SITE WORK

<u>Site Infrastructure</u>									
	Demo building & restoration	41,398	sf	6.00	\$248,400	\$62,100	\$310,500	including restoration	2
Site Work Subtotal:					\$248,400			\$310,500	

TOTAL DIRECT COSTS:	\$331,200						\$414,000		
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Project Contingency:	\$33,120
General Conditions:	\$6,624
CM Fee / Reimbursables:	\$21,528
A/E Fee / Reimbursables:	\$21,528

TOTAL PROJECT COSTS:	\$414,000
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\$414,000 check #

Notes:
 Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Eastlawn Elementary School 115 Eastlawn Dr., Midland, MI 48640 Building Project Work List	Date: 10/1/2014	site visit: 6/30/2014
	Grades: K-5	enrollment: x
	Year Built: 1945	
	Building Size: 50,710	capacity: x
	Site Size: 8.000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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ARCHITECTURAL WORK

Environmental									
	Abate asbestos for building demolition	50,710	sf	2.00	\$101,400	\$25,350	\$126,750		2
Architectural Work Subtotal:					\$101,400			\$126,750	
Remodeling Subtotal:					\$101,400				

SITE WORK

Site Infrastructure									
	Demo building & restoration	50,710	sf	6.00	\$304,300	\$76,075	\$380,375		2
Site Work Subtotal:					\$304,300			\$380,375	

TOTAL DIRECT COSTS: \$405,700 \$507,125

Project Contingency:	\$40,570
General Conditions:	\$8,114
CM Fee / Reimbursables:	\$26,371
A/E Fee / Reimbursables:	\$26,371

TOTAL PROJECT COSTS:	\$507,125
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\$507,125 check #

Notes:
Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Franklin Center 2900 Dauer St., Midland, MI Building Project Work List	Date: 10/1/2014	site visit: N/A
	Grades: N/A	enrollment: N/A
	Year Built: 1949	
	Building Size: 16,396	capacity: N/A
	Site Size: 5.000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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ARCHITECTURAL WORK

Environmental									
	Abate asbestos for building demolition	16,396	sf	2.00	\$32,800	\$8,200	\$41,000		2
Architectural Work Subtotal:					\$32,800			\$41,000	
Remodeling Subtotal:					\$32,800				

SITE WORK

Site Infrastructure									
	Demo building & restoration	16,396	sf	6.00	\$98,400	\$24,600	\$123,000	including restoration	2
Site Work Subtotal:					\$98,400			\$123,000	

TOTAL DIRECT COSTS: \$131,200 \$164,000

Project Contingency:	\$13,120
General Conditions:	\$2,624
CM Fee / Reimbursables:	\$8,528
A/E Fee / Reimbursables:	\$8,528

TOTAL PROJECT COSTS:	\$164,000
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\$164,000 check #

Notes:
Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment State Street Building 815 State St, Midland, MI Building Project Work List	Date: 10/1/2014	site visit: N/A
	Grades: N/A	enrollment: N/A
	Year Built: unknown	
	Building Size: 18,790	capacity: N/A
	Site Size:	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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ARCHITECTURAL WORK

Environmental									
	Abate asbestos for building demolition	18,790	sf	2.00	\$37,600	\$9,400	\$47,000		2
Architectural Work Subtotal:					\$37,600			\$47,000	
Remodeling Subtotal:					\$37,600				

SITE WORK

Site Infrastructure									
	Demo building & restoration	18,790	sf	6.00	\$112,700	\$28,175	\$140,875	including restoration	2
Site Work Subtotal:					\$112,700			\$140,875	

TOTAL DIRECT COSTS:	\$150,300						\$187,875		
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Project Contingency:	\$15,030
General Conditions:	\$3,006
CM Fee / Reimbursables:	\$9,770
A/E Fee / Reimbursables:	\$9,770

TOTAL PROJECT COSTS:	\$187,875						\$187,875	check #
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Notes:
 Indirect costs include; contingency, general conditions & professional fees

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Carpenter Elementary School 1407 W. Carpenter St., Midland, MI 48640 Building Project Work List	Date: 10/1/2014	site visit: 6/30/2014
	Grades: K-5	enrollment: x
	Year Built: 1926	
	Building Size: 37,934	capacity: x
	Site Size: 5.000	

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes	Series
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MECHANICAL WORK

<u>H.V.A.C.</u>									
	Replace Mechanical Equipment	1	ls	40,000.00	\$40,000	\$10,000	\$50,000		1
Mechanical Work Subtotal:					\$40,000			\$50,000	

ELECTRICAL WORK

<u>Electrical-Power</u>									
	Electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
Electrical Work Subtotal:					\$5,000			\$6,250	

Remodeling Subtotal:					\$45,000				
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PROJECT TOTAL:					\$45,000			\$56,250	
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Project Contingency	\$4,500
General Conditions	\$900
CM Fee / Reimbursables	\$2,925
A/E Fee / Reimbursables	\$2,925

TOTAL PROJECT COSTS:	\$56,250
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\$56,250 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees