

MIDLAND PUBLIC SCHOOLSDate:10/1/2014site visit:6/30/2014District Wide Facility AssessmentGrades:K-5enrollment:xAdams Elementary SchoolYear Built:19621005 Adams St., Midland, MI 48642Building Size:44,725capacity:xBuilding Project Work ListSite Size:16.000

5 Adams St., Midiand, Mi 48642						Building Size:	44,725 capacity	. x
Iding Project Work List						Site Size:	16.000	
gory				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Se
CONSTRUCTION								
kddition Cafeteria/Gym	6,500	sf	190.00	\$1,235,000	\$308,750	\$1,543,750		
Stage	1,500	sf	190.00	\$285,000	\$71,250	\$356,250		
Kitchen	400	sf	200.00	\$80,000	\$20,000	\$100,000		
Toilet Rooms	400	sf	250.00	\$100,000	\$25,000	\$125,000		
Storage/Circulation	700	sf	150.00	\$105,000	\$26,250	\$131,250		
New Construction Subtotal:	9,500		190.00	\$1,805,000			\$2,256,250	
HITECTURAL WORK	-	-	_	_	_	_		_
Environmental Abate asbestos floor tile	30	ksf	1,500.00	\$45,000	\$11,250	\$56,250	In classrooms	
Abate asbestos at mechanical	1	ls	5,000.00	\$5,000	\$1,250	\$6,250		
			7,	, , , , , ,	. , ,			
Building Envelope  Replace doors, frames and hardware	26	ea	3,000.00	\$78,000	\$19,500	\$97,500		
Replace glazing systems	2,100	sf	60.00	\$126,000	\$31,500	\$157,500		
Interior Construction								
Replace doors, frames and hardware	26	ea	2,000.00	\$52,000	\$13,000	\$65,000	classrooms only	
Replace flooring	30,000	sf	4.25	\$127,500	\$31,875		Classrooms	
Replace visual display boards	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	chalk to marker	
Replace toilet partitions & accessories	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	metal to plastic	
Replace casework	400	If	425.00	\$170,000	\$42,500	\$212,500	original wood	
Remodel toilet rooms	1	Is	8,000.00	\$8,000	\$2,000	\$10,000	flooring and partitions	
Modify lobby to create secure entrance	2,000	sf	100.00	\$200,000	\$50,000	\$250,000		
Convert gym to media center	3,500	sf	75.00	\$262,500	\$65,625	\$328,125	includes "Learn Lab"	
Renovate media center to breakout lab	1,000	sf	50.00	\$50,000	\$12,500	\$62,500		
Renovations to connect to addition	9,500	sf	5.00	\$47,500	\$11,875	\$59,375		
Architectural Work Subtotal:				\$1,221,500			\$1,526,875	
CHANICAL WORK								
H.V.A.C.								
Replace Boiler/pumps (elementary)	2	ea	100,000.00	\$200,000	\$50,000	\$250,000		
Replace Condensate Pump Units	2	ea	15,000.00	\$30,000	\$7,500	\$37,500		
Replace indoor Air Handling Units	2	ea	30,000.00	\$60,000	\$15,000	\$75,000		
Replace Office Heat/Vent units with new Roof Top	1	ea	20,000.00	\$20,000	\$5,000	\$25,000	5 Ton RTU	
Replace Classroom Heating and Ventilation Units	5	ea	25,000.00	\$125,000	\$31,250	\$156,250		
Replace Gym Heating & Ventilation unit	1	ea	40,000.00	\$40,000	\$10,000	\$50,000		
Add AC to Tech Closet	1	ea	10,000.00	\$10,000	\$2,500	\$12,500	MDF	
Replace Steam Humidifiers	2	ea	8,000.00	\$16,000	\$4,000	\$20,000		
Replace Cabinet Unit Heaters	6	ea	5,000.00	\$30,000	\$7,500	\$37,500		
Replace Exhaust Fans	4	ea	4,000.00	\$16,000	\$4,000	\$20,000		
Femperature Controls  Replace all pneumatic controls with Digital	44,745	SF	2.25	\$100,700	\$25,175	\$125,875		
Mechanical Work Subtotal:	44,740	- OF	2.20	\$647,700	Ψ20,170	φ120,0/5	\$809,625	
				φυ1,100			φυυσ,υ <b>∠</b> σ	
CTRICAL WORK								
<u>Electrical-Power</u>	4	مالم	5,000,00	\$5,000	\$1.250	¢6.250		
Electrical-Power  Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		
Electrical-Power  Add electrical to support technology	1	allo LS	5,000.00	\$5,000 \$30,000	\$1,250 \$7,500	\$6,250 \$37,500		
Electrical-Power  Add electrical to support technology  Lighting								
Electrical-Power  Add electrical to support technology  Lighting  Upgrade Site Lighting		LS	30,000.00	\$30,000	\$7,500	\$37,500		

Electrical Work Subtotal: \$57,500 \$71,875



 MIDLAND PUBLIC SCHOOLS
 Date:
 10/1/2014
 site visit: 6/30/2014

 District Wide Facility Assessment
 Grades:
 K-5
 enrollment: x

 Adams Elementary School
 Year Built:
 1962

 1005 Adams St., Midland, MI 48642
 Building Size:
 44,725
 capacity: x

 Building Project Work List
 Site Size:
 16.000

gory  Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Seri
HNOLOGY INFRASTRUCTURE								
Cabling Infrastructure	1	alla	E 000 00	\$5,000	¢1 250	\$6.3E0		1
Remove Category 5 and/or supporting legacy cabling Fiber backbone to IDFs for 10G	1	allo ea	5,000.00 2,500.00	\$5,000 \$2,500	\$1,250 \$625	\$6,250 \$3,125		1
Additional voice/data structured cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		
Allowance for cabling to support series 2 needs	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		:
letwork / Wireless / Phone								
Replace network infr building core	1	ea	13,000.00	\$13,000	\$3,250	\$16,250		
Replace network infr edge switches	11	ea	4,200.00	\$46,200	\$11,550	\$57,750	Based on existing plus 1 per closet growth	
Replace UPS in each telecommunication room	2	ea	3,000.00	\$6,000	\$1,500	\$7,500		
Network infrastructure for Series 1 needs	1	ls	16,300.00	\$16,300	\$4,075	\$20,375		
Replace wireless infrastructure	34		950.00	\$32,300	\$8,075	\$40,375		
Replace phone system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		
Clock System			25 222 22	005.000	40.050	204.050		
Replace clock system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		
ecurity Video surveillance	4	ls	18 000 00	¢10.000	¢4 500	¢22 500		
Video surveillance Expand access control	1	ls Is	18,000.00 9,500.00	\$18,000 \$9,500	\$4,500 \$2,375	\$22,500 \$11,875		
Install district-wide PA system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		
Technology Infrastructure Subtotal:				\$233,800			\$292,250	
Remodeling Subtotal:				\$2,160,500				
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'	
Improve site furnishings	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	bike racks, flag pole, fencing	
Improve site grading / landscaping	1	allo	25,000.00	\$25,000	\$6,250	\$31,250	lower catch basin at east hard surface play	
Site Work for Addition	9,500	sf	8.00	\$76,000	\$19,000	\$95,000	utilities, paving, restoration	
ite Paving								
Replace site concrete	1		25,000.00	\$25,000	\$6,250		Remove metal grates in front of exterior dc	
Repave parking and drives	7	ksf	2,500.00	\$17,500	\$4,375	\$21,875	Replace paved play area	
layfields (playground/athletics)								
Replace asphalt play area	4		2,500.00	\$10,000	\$2,500	\$12,500		
Improve playground / playfield area	1	ls	40,000.00	\$40,000	\$10,000	\$50,000		
Site Work Subtotal:				\$228,500			\$285,625	
RUCTIONAL TECHNOLOGY EQUIPMENT		-						
computers and Mobile Devices								
Replace teacher/staff laptops	27	ea	1,000.00	\$27,000	\$6,750	\$33,750		
Mobile devices for teachers/staff	27	ea	650.00	\$17,550	\$4,388	\$21,938		
Replace student laptop carts	1	ea	34,500.00	\$34,500	\$8,625	\$43,125	Replace laptops only, use existing cart	
Mobile devices for students (does not include cart)	473	ea	650.00	\$307,450	\$76,863		Based on 2013 enrollment +5%	
Technology equipment - Series 2	1	ls	386,500.00	\$386,500	\$38,650	\$425,150		
Technology equipment - Series 3	1	ls	325,000.00	\$325,000	\$32,500	\$357,500		
lassroom Technologies								
Install classroom/lab projectors	24	ea	1,800.00	\$43,200	\$10,800	\$54,000		
Install sound field amplification	24		1,250.00	\$30,000	\$7,500	\$37,500		
Document camera	5		550.00	\$2,750	\$688	\$3,438		
		lo.	43,200.00	\$43,200	\$10,800	\$54,000		
Refresh classroom projector	1	ls	45,200.00	ψ <del>4</del> 3,200	ψ10,000	Ψ04,000		



MIDLAND PUBLIC SCHOOLSDate:10/1/2014site visit:6/30/2014District Wide Facility AssessmentGrades:K-5enrollment:xAdams Elementary SchoolYear Built:19621005 Adams St., Midland, MI 48642Building Size:44,725capacity:xBuilding Project Work ListSite Size:16.000

egory				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Seri
RNITURE, 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
Project Contingency	/: \$558,905	
General Conditions		
CM Fee / Reimbursables	s: \$310,099	
A/E Fee / Reimbursables	s: \$310,099	
TOTAL PROJECT COSTS	: \$6,865,704	\$6,865,704 check#
Notes:		
Indirect costs include: contingency, general conditions & professional fees		



MIDLAND PUBLIC SCHOOLS

District Wide Facility Assessment

Chestnut Hill Elementary School

3900 Chestnut Hill St., Midland MI, 48642

Building Project Work List

Site Visit: 6/30/2014

enrollment: x

Per Built: 1957

suilding Size: 41,407 capacity: x

Building Project Work List

				B			No. of the contract of the con	
Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	
CONSTRUCTION								
dition Cafeteria/Gym	6,500	sf	190.00	\$1,235,000	\$308,750	\$1,543,750		
Stage	1,500	sf	190.00	\$285,000	\$71,250	\$356,250		
Kitchen	400	sf	200.00	\$80,000	\$20,000	\$100,000		
Toilet Rooms	400	sf	250.00	\$100,000	\$25,000	\$125,000		
Storage/Circulation	700	sf	150.00	\$105,000	\$26,250	\$131,250		
New Construction Subtotal:	9,500		190.00	\$1,805,000			\$2,256,250	
TECTURAL WORK								
<u>vironmental</u>								
Abate asbestos floor tile	10	ksf	1,500.00	\$15,000	\$3,750		classrooms 15-22, art room	
Abate asbestos at mechanical	1	ls	5,000.00	\$5,000	\$1,250	\$6,250		
ilding Envelope								
Replace roof system	41,407	sf	9.00	\$372,700	\$93,175		Roof ponding above eastern classroom will	
Demo chimney	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		
Add masonry joints in brick Replace doors, frames and hardware	1 70	allo ea	10,000.00 3,000.00	\$10,000 \$210,000	\$2,500 \$52,500	\$12,500 \$262,500		
Replace glazing systems	4,000	sf	60.00	\$240,000	\$60,000	\$300,000		
Add/adjust downspouts and gutters	1	allo	20,000.00	\$20,000	\$5,000		No downspouts anywhere on building	
molition_								
Demo pedestals	10	ea	1,000.00	\$10,000	\$2,500	\$12,500	Masonry pedestals in media center	
erior Construction								
Replace doors, frames and hardware	27	ea	2,000.00	\$54,000	\$13,500	\$67,500	classrooms only	
Install sound deadening panels	1	allo	25,000.00	\$25,000	\$6,250		Sound issues/echoes reported in gym/mec	
Replace flooring	30,000	sf	4.25	\$127,500	\$31,875		Carpet stains in classrooms	
Replace visual display boards Replace toilet partitions & accessories	10 10	ea ea	2,500.00 2,500.00	\$25,000 \$25,000	\$6,250 \$6,250		chalk to marker metal to plastic	
Replace casework	400	If	425.00	\$170,000	\$42,500		original wood	
Remodel toilet rooms	1	ls	8,000.00	\$8,000	\$2,000		"shared" kindergarten restrooms	
Modify lobby to create secure entrance	1,000	sf	100.00	\$100,000	\$25,000	\$125,000		
Convert gym to media center	3,000	sf	75.00	\$225,000	\$56,250	\$281,250	includes "Learn Lab"	
Renovate media center to breakout lab	1,700	sf	50.00	\$85,000	\$21,250	\$106,250		
Renovations to connect to addition	9,500	sf	5.00	\$47,500	\$11,875	\$59,375		
Architectural Work Subtotal:				\$1,784,700			\$2,230,875	
ANICAL WORK								
Imbing  Replace galvanized demostic water pining	600	LF	40.00	¢24.000	\$6,000	¢20,000		
Replace galvanized domestic water piping Replace lavatory Faucets	600 16	ea	40.00 250.00	\$24,000 \$4,000	\$6,000 \$1,000	\$30,000 \$5,000		
Replace DF with EWC w/bottle fill	1	ea	5,000.00	\$5,000	\$1,250	\$6,250		
/.A.C.								
Replace Unit Ventilators with new vertical Unit Vents	12	ea	16,000.00	\$192,000	\$48,000	\$240,000		
Replace indoor Air Handling Units	2	ea	30,000.00	\$60,000	\$15,000	\$75,000		
Replace Office Heating & Venting Units	1	ea	20,000.00	\$20,000	\$5,000		5 Ton RTU	
Replace Classroom Heating & Venting Units	3	ea	25,000.00	\$75,000	\$18,750	\$93,750		
Replace Gym Heating & Venting unit Add AC to Tech Closet	1 2	ea ea	40,000.00 10,000.00	\$40,000 \$20,000	\$10,000 \$5,000	\$50,000 \$25,000	MDF and IDF	
Replace Steam Humidifiers	2	ea	8,000.00	\$20,000	\$5,000 \$4,000	\$25,000	WIDT AND IDI	
Replace Cabinet Unit Heaters	6	ea	5,000.00	\$30,000	\$7,500	\$37,500		
Replace Exhaust Fans	3	ea	4,000.00	\$12,000	\$3,000	\$15,000		
Replace Relief/Intake Hood	7	ea	2,500.00	\$17,500	\$4,375	\$21,875		
mperature Controls								
inperature Controls								

Mechanical Work Subtotal:

\$608,700

\$760,875



MIDLAND PUBLIC SCHOOLS

Date: 10/1/2014 site visit: 6/30/2014

District Wide Facility Assessment

Chestnut Hill Elementary School

3900 Chestnut Hill St., Midland MI, 48642

Building Size: 41,407 capacity: x

Building Project Work List

Site Size: 11.000

gory Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Serie
CTRICAL WORK								
lectrical-Power								
Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
ighting								
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		Lighting updated in 2004	1
Upgrade Exterior building mounted Lighting	1	ls	9,800.00	\$9,800	\$2,450		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	
INOLOGY INFRASTRUCTURE								
abling 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
etwork / 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		Based on existing plus 1 per closet growth	2
Replace UPS in each telecommunication room  Network infrastructure for Series 1 needs	2	ea Is	3,000.00 16,300.00	\$6,000 \$16,300	\$1,500 \$4,075	\$7,500 \$20,375		2
Replace wireless infrastructure	33	ea	950.00	\$10,300	\$4,075 \$7,838	\$39,188		2
Replace phone system	1		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
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, ,,,,,,,	, , , , ,	,		
<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:				\$232,850			\$291,063	
Remodeling Subtotal:				\$2,730,050				
-				<del></del>				
WORK ite 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		bike racks, flag pole, fencing	1
Improve site grading / landscaping	1	allo	75,000.00	\$75,000	\$18,750		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
ite Paving								
Replace site concrete	1	allo	25,000.00	\$25,000	\$6,250		Extend parking lot and sidewalk to east, re	1
Repaye parking and drives	26		2,500.00	\$65,000	\$16,250 \$27,500		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	



**Building Project Work List** 

#### = completed or awarded projects

MIDLAND PUBLIC SCHOOLS

Date: 10/1/2014 site visit: 6/30/2014

District Wide Facility Assessment

Chestnut Hill Elementary School

3900 Chestnut Hill St., Midland MI, 48642

Building Size: 41,407 capacity: x

Site Size: 11.000

ory Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Ser
·	,							
SUCTIONAL TECHNOLOGY EQUIPMENT								
omputers and Mobile Devices								
Replace teacher/staff laptops	29	ea	1,000.00	\$29,000	\$7,250	\$36,250		
Mobile devices for teachers/staff	29	ea	650.00	\$18,850	\$4,713	\$23,563		
Replace student laptop carts	1	ea	34,500.00	\$34,500	\$8,625		Replace laptops only, use existing cart	
Mobile devices for students (does not include cart)	483	ea	650.00	\$313,950	\$78,488		Based on 2013 enrollment +5%	
Technology equipment - Series 2	1	ls	396,300.00	\$396,300	\$39,630	\$435,930		
Technology equipment - Series 3	1	ls	332,800.00	\$332,800	\$33,280	\$366,080		
assroom Technologies								
Install classroom/lab projectors	23	ea	1,800.00	\$41,400	\$10,350	\$51,750		
Install sound field amplification	23	ea	1,250.00	\$28,750	\$7,188	\$35,938		
Document camera	5	ea	550.00	\$2,750	\$688	\$3,438		
Refresh classroom projector	1	ls	41,400.00	\$41,400	\$10,350	\$51,750		
Technology Equipment Subtotal:				\$1,239,700			\$1,440,260	7
ITURE, FURNISHINGS, EQUIPMENT								
echnology - Copiers/Printers/POS								
Replace BW printers	1	ea	600.00	\$600	\$150	\$750		
Replace BW MFP printers	2	ea	7,500.00	\$15,000	\$3,750	\$18,750		
Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		
Replace Point of Sale (POS) equipment / Food Service	2	ea	1,000.00	\$2,000	\$500	\$2,500		
echnology - Audiovisual								
Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		
Conference room / IEP displays	1	ls	2,500.00	\$2,500	\$625	\$3,125		
Enhance gym sound system	1	ea	2,000.00	\$2,000	\$500	\$2,500		
Digital Signage	1	ea	2,800.00	\$2,800	\$700	\$3,500		
ırniture & Furnishings								
Replacement furniture & furnishings	41,407	sf	1.75	\$72,500	\$8,700	\$81,200	classroom desks and chairs	
Furniture for Addition	9,500	sf	3.00	\$28,500	\$3,420	\$31,920	cafeteria tables and gym equipment	

	TOTAL DIRECT COSTS:	\$6,411,650	\$7,892,068
	Project Contingency:	\$641,165	
	General Conditions:	\$113,651	
	CM Fee / Reimbursables:	\$362,801	
	A/E Fee / Reimbursables:	\$362,801	
Г	TOTAL PROJECT COSTS:	\$7,892,068	\$7,892,068 check#
Notes:		· · ·	
Indirect costs include: contingency, general conditions & pro	ofessional fees		



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

on.				Direct	Indirect	Total	Notes /	J
pory Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	s
		·····					- Canada	_
CONSTRUCTION								
ddition								
Cafeteria/Gym	6,500	sf	190.00	\$1,235,000	\$308,750	\$1,543,750		
Stage	1,500	sf sf	190.00	\$285,000	\$71,250	\$356,250		
Kitchen Toilet Rooms	400 400	si	200.00 250.00	\$80,000 \$100,000	\$20,000 \$25,000	\$100,000 \$125,000		
Storage/Circulation	700	sf	150.00	\$100,000	\$25,000	\$125,000		
New Construction Subtotal:	9,500		190.00	\$1,805,000			\$2,256,250	
HITECTURAL WORK	-		_	_	_	_	_	
nvironmental								
Abate asbestos floor tile	26	ksf	1,500.00	\$39,000	\$9,750	\$48,750	<u></u>	
Abate asbestos at mechanical	1	ls	5,000.00	\$5,000	\$1,250	\$6,250		
uilding Envelope								Ī
uilding Envelope  Add masonry joints in brick	1,600	sf	10.00	\$16,000	\$4,000	\$20,000	bottom 2' of front and back walls	
Replace doors, frames and hardware	70	ea	3,000.00	\$210,000	\$52,500	\$20,000	DOLLOTT 2 OF HOTE AND DACK WAIIS	
Replace glazing systems	4,800	sf	60.00	\$288,000	\$72,000	\$360,000		
nterior Construction								
Replace doors, frames and hardware	26	ea	2,000.00	\$52,000	\$13,000	\$65,000	classrooms only	
Replace flooring	35,000	sf	4.25	\$148,800	\$37,200	\$186,000		
Replace visual display boards	10	ea	2,500.00	\$25,000	\$6,250		chalk to marker	
Replace toilet partitions & accessories	10	ea	2,500.00	\$25,000	\$6,250		metal to plastic	
Replace casework	400	lf	425.00	\$170,000	\$42,500	\$212,500	original wood	
Remodel toilet rooms	1	ls	8,000.00	\$8,000	\$2,000	\$10,000	"shared" kindergarten restrooms, other res	
Renovate media center to secure main office	1,500	sf	100.00	\$150,000	\$37,500	\$187,500		
Modify lobby to create secure entrance	500	sf	100.00	\$50,000	\$12,500	\$62,500		
Convert gym to media center	2,000	sf	75.00	\$150,000	\$37,500	\$187,500	includes "Learn Lab"	
Renovations to connect to addition	9,500	allo	5.00	\$47,500	\$11,875	\$59,375		
Architectural Work Subtotal:				\$1,384,300			\$1,730,375	
HANICAL WORK								
I.V.A.C.								
Replace rusted boiler stacks	2	ea	5,000.00	\$10,000	\$2,500	\$12,500		
Replace Unit Ventilators with new vertical Unit Vents	21	ea	16,000.00	\$336,000	\$84,000	\$420,000		
Replace Classroom Heating & Venting Units	2	ea	25,000.00	\$50,000	\$12,500	\$62,500		
Replace Gym Heating & Venting	1	ea	40,000.00	\$40,000	\$10,000	\$50,000	MDE	
Add AC to Tech Closet  Replace Cabinet Unit Heaters	6	ea	10,000.00 5,000.00	\$10,000 \$30,000	\$2,500	\$12,500	MDF	
Replace Exhaust Fans	4	ea ea	4,000.00	\$16,000	\$7,500 \$4,000	\$37,500 \$20,000		
emperature Controls								
Replace all pneumatic controls with Digital	40,812	SF	2.25	\$91,800	\$22,950	\$114,750		
Mechanical Work Subtotal:				\$583,800			\$729,750	
TRICAL WORK								
lectrical-Power								
Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		
ighting								
Upgrade Site Lighting	1	ls	49,000.00	\$49,000	\$12,250	\$61,250		
Upgrade Exterior building mounted Lighting	1	ls	24,000.00	\$24,000	\$6,000	\$30,000		
Add Occupancy Sensors	1	LS	7,000.00	\$7,000	\$1,750	\$8,750		



MIDLAND PUBLIC SCHOOLS

Date: 10/1/2014 site visit: 6/30/2014

District Wide Facility Assessment

Plymouth Elementary School

1105 E. Sugnet Rd., Midland, MI 48642

Building Project Work List

Site Size: 14.000

				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Ser
HNOLOGY 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
Replace fiber to MS for dedicated line to Admin	1	ea	18,000.00	\$18,000	\$4,500	\$22,500		
letwork / Wireless / Phone								
Replace network infr building core	1	ea	13,000.00	\$13,000	\$3,250	\$16,250		
Replace network infr edge switches	11	ea	4,200.00	\$46,200	\$11,550		Based on existing plus 1 per closet growth	:
Replace UPS in each telecommunication room	2	ea	3,000.00	\$6,000	\$1,500	\$7,500		
Network infrastructure for Series 1 needs	1	ls	16,300.00	\$16,300	\$4,075	\$20,375		
Replace wireless infrastructure	37	ea	950.00	\$35,150	\$8,788	\$43,938		
Replace phone system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		
Flock System								
Replace clock system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		
aguritu.								
Security Video surveillance	1	ls	18,000.00	\$18,000	\$4,500	\$22,500		
Expand access control	1	ls	9,500.00	\$9,500	\$2,375	\$11,875		
Install district-wide PA system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		
·	•	10	20,000.00		ψ0,200	ψ01,200		
Technology Infrastructure Subtotal:				\$254,650			\$318,313	
Remodeling Subtotal:				\$2,307,750				
WORK			-			-		
WORK Site Infrastructure								
	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	bike racks, flag pole, fencing	
Site Infrastructure	1 1	allo allo	15,000.00 30,000.00	\$15,000 \$30,000	\$3,750 \$7,500		bike racks, flag pole, fencing Poor drainage in play area, improve courty	
iite Infrastructure Improve site furnishings	1 1 9,500					\$37,500		
ite Infrastructure Improve site furnishings Improve site grading / landscaping Site Work for Addition	1	allo	30,000.00	\$30,000	\$7,500	\$37,500	Poor drainage in play area, improve courty	
ite Infrastructure Improve site furnishings Improve site grading / landscaping Site Work for Addition	9,500	allo sf	30,000.00 8.00	\$30,000 \$76,000	\$7,500 \$19,000	\$37,500 \$95,000	Poor drainage in play area, improve courty utilities, paving, restoration	
Inprove site furnishings Improve site grading / landscaping Site Work for Addition	1	allo	30,000.00	\$30,000	\$7,500	\$37,500 \$95,000 \$62,500	Poor drainage in play area, improve courty	
Interpretation of the Paving Replace site concrete Repave parking and drives	9,500	allo sf allo	30,000.00 8.00 50,000.00	\$30,000 \$76,000 \$50,000	\$7,500 \$19,000 \$12,500	\$37,500 \$95,000 \$62,500	Poor drainage in play area, improve courty utilities, paving, restoration $\\$ Remove curbs at bus loop, remove steps $\epsilon$	
ite Infrastructure Improve site furnishings Improve site grading / landscaping Site Work for Addition ite Paving Replace site concrete Repave parking and drives layfields (playground/athletics)	9,500	allo sf allo	30,000.00 8.00 50,000.00	\$30,000 \$76,000 \$50,000 \$112,500	\$7,500 \$19,000 \$12,500 \$28,125	\$37,500 \$95,000 \$62,500 \$140,625	Poor drainage in play area, improve courty utilities, paving, restoration  Remove curbs at bus loop, remove steps a Extend and reconfigure P.L.	
ite Infrastructure Improve site furnishings Improve site grading / landscaping Site Work for Addition ite Paving Replace site concrete Repave parking and drives layfields (playground/athletics) Improve playground / playfield area	1 9,500 1 45	allo sf allo ksf	30,000.00 8.00 50,000.00 2,500.00	\$30,000 \$76,000 \$50,000 \$112,500 \$40,000	\$7,500 \$19,000 \$12,500	\$37,500 \$95,000 \$62,500 \$140,625	Poor drainage in play area, improve courty utilities, paving, restoration  Remove curbs at bus loop, remove steps a Extend and reconfigure P.L.  Outdated play equipment, relocate building	
Inprove site furnishings Improve site grading / landscaping Site Work for Addition Interpretation Interpretatio	1 9,500 1 45	allo sf allo ksf	30,000.00 8.00 50,000.00 2,500.00	\$30,000 \$76,000 \$50,000 \$112,500	\$7,500 \$19,000 \$12,500 \$28,125	\$37,500 \$95,000 \$62,500 \$140,625	Poor drainage in play area, improve courty utilities, paving, restoration  Remove curbs at bus loop, remove steps a Extend and reconfigure P.L.	
Improve site furnishings Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:	1 9,500 1 45	allo sf allo ksf	30,000.00 8.00 50,000.00 2,500.00	\$30,000 \$76,000 \$50,000 \$112,500 \$40,000	\$7,500 \$19,000 \$12,500 \$28,125	\$37,500 \$95,000 \$62,500 \$140,625	Poor drainage in play area, improve courty utilities, paving, restoration  Remove curbs at bus loop, remove steps a Extend and reconfigure P.L.  Outdated play equipment, relocate building	
Improve site furnishings Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:	1 9,500 1 45	allo sf allo ksf	30,000.00 8.00 50,000.00 2,500.00	\$30,000 \$76,000 \$50,000 \$112,500 \$40,000	\$7,500 \$19,000 \$12,500 \$28,125	\$37,500 \$95,000 \$62,500 \$140,625	Poor drainage in play area, improve courty utilities, paving, restoration  Remove curbs at bus loop, remove steps a Extend and reconfigure P.L.  Outdated play equipment, relocate building	
Improve site furnishings Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Repave parking and drives Playfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT Computers and Mobile Devices	1 9,500 1 45	allo sf allo ksf	30,000.00 8.00 50,000.00 2,500.00 40,000.00	\$30,000 \$76,000 \$50,000 \$112,500 \$40,000 \$323,500	\$7,500 \$19,000 \$12,500 \$28,125 \$10,000	\$37,500 \$95,000 \$62,500 \$140,625 \$50,000	Poor drainage in play area, improve courty utilities, paving, restoration  Remove curbs at bus loop, remove steps a Extend and reconfigure P.L.  Outdated play equipment, relocate building	
Improve site furnishings Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Repave parking and drives  Improve playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops	1 9,500 1 45 1	allo sf allo ksf Is	30,000.00 8.00 50,000.00 2,500.00 40,000.00	\$30,000 \$76,000 \$50,000 \$112,500 \$40,000 \$323,500	\$7,500 \$19,000 \$12,500 \$28,125 \$10,000 \$8,500	\$37,500 \$95,000 \$62,500 \$140,625 \$50,000	Poor drainage in play area, improve courty utilities, paving, restoration  Remove curbs at bus loop, remove steps a Extend and reconfigure P.L.  Outdated play equipment, relocate building	
Improve site furnishings Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Repave parking and drives  Payfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff	1 9,500 1 45	allo sf allo ksf Is	30,000.00 8.00 50,000.00 2,500.00 40,000.00 1,000.00 650.00	\$30,000 \$76,000 \$50,000 \$112,500 \$40,000 \$323,500 \$34,000 \$22,100	\$7,500 \$19,000 \$12,500 \$28,125 \$10,000 \$8,500 \$5,525	\$37,500 \$95,000 \$62,500 \$140,625 \$50,000 \$42,500 \$27,625	Poor drainage in play area, improve courty utilities, paving, restoration  Remove curbs at bus loop, remove steps a Extend and reconfigure P.L.  Outdated play equipment, relocate building \$404,375	
Improve site furnishings Improve site grading / landscaping Site Work for Addition  Ite Paving Replace site concrete Repave parking and drives  Itayfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts	1 9,500 1 45 1 34 34 34	allo sf allo ksf Is	30,000.00 8.00 50,000.00 2,500.00 40,000.00 1,000.00 650.00 34,500.00	\$30,000 \$76,000 \$50,000 \$112,500 \$40,000 \$323,500 \$34,000 \$22,100 \$34,500	\$7,500 \$19,000 \$12,500 \$28,125 \$10,000 \$8,500 \$5,525 \$8,625	\$37,500 \$95,000 \$62,500 \$140,625 \$50,000 \$42,500 \$27,625 \$43,125	Poor drainage in play area, improve courty utilities, paving, restoration  Remove curbs at bus loop, remove steps a Extend and reconfigure P.L.  Outdated play equipment, relocate building \$404,375	
Interestructure Improve site furnishings Improve site grading / landscaping Site Work for Addition  Ite Paving Replace site concrete Repave parking and drives Interest layfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Omputers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart)	1 9,500 1 45 1 34 34 34 1 504	allo sf  allo ksf  Is  ea ea ea ea ea	30,000.00 8.00 50,000.00 2,500.00 40,000.00 1,000.00 650.00 34,500.00 650.00	\$30,000 \$76,000 \$50,000 \$112,500 \$40,000 \$323,500 \$34,000 \$22,100 \$34,500 \$327,600	\$7,500 \$19,000 \$12,500 \$28,125 \$10,000 \$8,500 \$5,525 \$8,625 \$81,900	\$37,500 \$95,000 \$62,500 \$140,625 \$50,000 \$42,500 \$27,625 \$43,125 \$409,500	Poor drainage in play area, improve courty utilities, paving, restoration  Remove curbs at bus loop, remove steps a Extend and reconfigure P.L.  Outdated play equipment, relocate building \$404,375	
Improve site furnishings Improve site grading / landscaping Site Work for Addition  Ite Paving Replace site concrete Repave parking and drives  Itayfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2	1 9,500 1 45 1 34 34 34 1 504	allo sf  allo ksf  Is  ea ea ea ea ls	30,000.00 8.00 50,000.00 2,500.00 40,000.00 1,000.00 650.00 34,500.00 650.00 418,200.00	\$30,000 \$76,000 \$50,000 \$112,500 \$40,000 \$323,500 \$34,000 \$22,100 \$34,500 \$34,600 \$418,200	\$7,500 \$19,000 \$12,500 \$28,125 \$10,000 \$8,500 \$5,525 \$8,625 \$81,900 \$41,820	\$37,500 \$95,000 \$62,500 \$140,625 \$50,000 \$27,625 \$43,125 \$409,500 \$460,020	Poor drainage in play area, improve courty utilities, paving, restoration  Remove curbs at bus loop, remove steps a Extend and reconfigure P.L.  Outdated play equipment, relocate building \$404,375	
Interestructure Improve site furnishings Improve site grading / landscaping Site Work for Addition  Ite Paving Replace site concrete Repave parking and drives Interest layfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Omputers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart)	1 9,500 1 45 1 34 34 34 1 504	allo sf  allo ksf  Is  ea ea ea ea ea	30,000.00 8.00 50,000.00 2,500.00 40,000.00 1,000.00 650.00 34,500.00 650.00	\$30,000 \$76,000 \$50,000 \$112,500 \$40,000 \$323,500 \$34,000 \$22,100 \$34,500 \$327,600	\$7,500 \$19,000 \$12,500 \$28,125 \$10,000 \$8,500 \$5,525 \$8,625 \$81,900	\$37,500 \$95,000 \$62,500 \$140,625 \$50,000 \$42,500 \$27,625 \$43,125 \$409,500	Poor drainage in play area, improve courty utilities, paving, restoration  Remove curbs at bus loop, remove steps a Extend and reconfigure P.L.  Outdated play equipment, relocate building \$404,375	
Improve site furnishings Improve site grading / landscaping Site Work for Addition  Ite Paving Replace site concrete Repave parking and drives  Ilayfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3	1 9,500 1 45 1 34 34 1 504 1	allo sf  allo ksf  Is  ea ea ea ea ls	30,000.00 8.00 50,000.00 2,500.00 40,000.00 1,000.00 650.00 34,500.00 650.00 418,200.00 349,700.00	\$30,000 \$76,000 \$50,000 \$112,500 \$40,000 \$323,500 \$34,000 \$22,100 \$34,500 \$327,600 \$418,200 \$349,700	\$7,500 \$19,000 \$12,500 \$28,125 \$10,000 \$5,525 \$8,625 \$81,900 \$41,820 \$34,970	\$37,500 \$95,000 \$62,500 \$140,625 \$50,000 \$27,625 \$43,125 \$409,500 \$460,020 \$384,670	Poor drainage in play area, improve courty utilities, paving, restoration  Remove curbs at bus loop, remove steps a Extend and reconfigure P.L.  Outdated play equipment, relocate building \$404,375	
Improve site furnishings Improve site grading / landscaping Site Work for Addition  Ite Paving Replace site concrete Repave parking and drives  Itayfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3  Itassroom Technologies Install classroom/lab projectors	1 9,500 1 45 1 34 34 1 504 1 1 1	allo sf  allo ksf  Is  ea ea ea ea Is Is	30,000.00 8.00 50,000.00 2,500.00 40,000.00 1,000.00 650.00 34,500.00 650.00 418,200.00 349,700.00	\$30,000 \$76,000 \$50,000 \$112,500 \$40,000 \$323,500 \$34,000 \$22,100 \$34,500 \$327,600 \$418,200 \$349,700	\$7,500 \$19,000 \$12,500 \$28,125 \$10,000 \$8,500 \$5,525 \$8,625 \$81,900 \$41,820 \$34,970	\$37,500 \$95,000 \$62,500 \$140,625 \$50,000 \$27,625 \$43,125 \$409,500 \$460,020 \$384,670	Poor drainage in play area, improve courty utilities, paving, restoration  Remove curbs at bus loop, remove steps a Extend and reconfigure P.L.  Outdated play equipment, relocate building \$404,375	
Improve site furnishings Improve site grading / landscaping Site Work for Addition  Ite Paving Replace site concrete Repave parking and drives  Itayfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart)  Technology equipment - Series 2 Technology equipment - Series 3  Itassroom Technologies Install classroom/lab projectors Document camera	1 9,500 1 45 1 34 34 34 1 504 1 1	allo sf  allo ksf  Is  ea ea ea ea ls ls	30,000.00 8.00 50,000.00 2,500.00 40,000.00 1,000.00 650.00 34,500.00 650.00 418,200.00 349,700.00	\$30,000 \$76,000 \$50,000 \$112,500 \$40,000 \$323,500 \$34,000 \$22,100 \$34,500 \$34,500 \$34,500 \$349,700 \$50,400 \$2,750	\$7,500 \$19,000 \$12,500 \$28,125 \$10,000 \$5,525 \$8,625 \$81,900 \$41,820 \$34,970 \$12,600 \$688	\$37,500 \$95,000 \$62,500 \$140,625 \$50,000 \$27,625 \$43,125 \$409,500 \$460,020 \$384,670 \$63,000 \$3,438	Poor drainage in play area, improve courty utilities, paving, restoration  Remove curbs at bus loop, remove steps a Extend and reconfigure P.L.  Outdated play equipment, relocate building \$404,375	
Improve site furnishings Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3  Stassroom Technologies Install classroom/lab projectors	1 9,500 1 45 1 34 34 1 504 1 1 1	allo sf  allo ksf  Is  ea ea ea ea ls ls	30,000.00 8.00 50,000.00 2,500.00 40,000.00 1,000.00 650.00 34,500.00 650.00 418,200.00 349,700.00	\$30,000 \$76,000 \$50,000 \$112,500 \$40,000 \$323,500 \$34,000 \$22,100 \$34,500 \$327,600 \$418,200 \$349,700	\$7,500 \$19,000 \$12,500 \$28,125 \$10,000 \$8,500 \$5,525 \$8,625 \$81,900 \$41,820 \$34,970	\$37,500 \$95,000 \$62,500 \$140,625 \$50,000 \$27,625 \$43,125 \$409,500 \$460,020 \$384,670	Poor drainage in play area, improve courty utilities, paving, restoration  Remove curbs at bus loop, remove steps a Extend and reconfigure P.L.  Outdated play equipment, relocate building \$404,375	



MIDLAND PUBLIC SCHOOLS

Date: 10/1/2014 site visit: 6/30/2014

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

enrollment: x

enrollment: x

enrollment: x

enrollment: x

Site Size: 14.000

egory				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Ser
NITURE, 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		
Replace BW MFP printers	3	ea	7,500.00	\$22,500	\$5,625	\$28,125		
Replace Point of Sale (POS) equipment / Food Service	2	ea	1,000.00	\$2,000	\$500	\$2,500		
<u> Fechnology - Audiovisual</u>								
Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		
Conference room / IEP displays	1	ls	2,500.00	\$2,500	\$625	\$3,125		
Replace gym sound system	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		
Digital Signage	1	ea	2,800.00	\$2,800	\$700	\$3,500		
Furniture & Furnishings								
Replacement furniture & furnishings	40,812	ea	1.75	\$71,400	\$8,568	\$79,968	classroom desks and chairs	
Furniture for Addition	9,500	sf	3.00	\$28,500	\$3,420	\$31,920	cafeteria tables and gym equipment	
F, F, & E Subtotal:				\$176,650			\$207,826	

TOTAL DIRECT COSTS:	\$5,937,550	\$7,293,766
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	\$7,293,766 check#
Notes:		



MIDLAND PUBLIC SCHOOLSDate:10/1/2014site visit:6/30/2014District Wide Facility AssessmentGrades:K-5enrollment:xWoodcrest Elementary SchoolYear Built:19695500 Drake St., Midland, MI 48640Building Size:38,147capacity:xBuilding Project Work ListSite Size:16.000

Drake St., Midland, MI 48640						Building Size:		
ilding Project Work List						Site Size:	16.000	
				Direct	In dive of	Total	Notes /	
egory				Direct	Indirect	Total		
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Se
V 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		
Kitchen	400	sf	200.00	\$80,000	\$20,000	\$100,000		
Toilet Rooms	400	sf	250.00	\$100,000	\$25,000	\$125,000		
Storage/Circulation	700	sf	150.00	\$105,000	\$26,250	\$131,250		
New Construction Subtotal:	9,500		190.00	\$1,805,000			\$2,256,250	
CHITECTURAL WORK	_	_	_	_	_	_		_
Environmental  Abate asbestos at mechanical	1	ls	5,000.00	\$5,000	\$1,250	\$6,250		
	•		0,000.00	ψ0,000	Ų.,200	<b>\$0,200</b>		
Building Envelope  Replace roof system	38,147	sf	9.00	\$343,300	\$85,825	\$429,125		
Add masonry joints in brick	2,000	sf	10.00	\$20,000	\$5,000		Bottom 2' of building as needed	
Replace doors, frames and hardware	59	ea	3,000.00	\$177,000	\$44,250	\$221,250	Bottom 2 of building as fieeded	
Replace glazing systems	1,400	sf	60.00	\$84,000	\$21,000	\$105,000		
Interior Construction	.,			,		Ţ.00,000		
Replace doors, frames and hardware	27	ea	2,000.00	\$54,000	\$13,500	\$67.500	classrooms only	
Replace flooring	38,147	sf	4.25	\$162,100	\$40,525	\$202,625	Sidesi semie em,	
Replace visual display boards	10	ea	2,500.00	\$25,000	\$6,250		chalk to marker	
Replace toilet partitions & accessories	10	ea	2,500.00	\$25,000	\$6,250		metal to plastic	
Replace casework	400	If	425.00	\$170,000	\$42,500		original wood	
Remodel toilet rooms	1	ls	8,000.00	\$8,000	\$2,000		flooring and partitions	
Modify lobby to create secure entrance	1,000	sf	100.00	\$100,000	\$25,000	\$125,000	meening and parametre	
Convert multi-purpose space to media center	2,700	sf	75.00	\$202,500	\$50,625	\$253,125		
Renovate media center to breakout lab	3,600	sf	50.00	\$180,000	\$45,000	\$225,000		
Renovations to connect to addition	9,500	sf	5.00	\$47,500	\$11,875	\$59,375		
Architectural Work Subtotal:				\$1,603,400			\$2,004,250	
CHANICAL WORK								
H.V.A.C.  Replace Boiler/pumps (elementary)	2	ea	100,000.00	\$200,000	\$50,000	\$250,000		
Replace Unit Ventilators with new vertical Unit Vents	28	ea	16,000.00	\$448,000	\$112,000	\$560,000		
Replace indoor Air Handling Units	4	ea	30,000.00	\$120,000	\$30,000	\$150,000		
Replace Steam Humidifiers	2	ea	8,000.00	\$16,000	\$4,000	\$20,000		
Replace Cabinet Unit Heaters	4	ea	5,000.00	\$20,000	\$5,000	\$25,000		
Replace Exhaust Fans	6	ea	4,000.00	\$24,000	\$6,000	\$30,000		
Temperature Controls								
Replace all pneumatic controls with Digital	38,147	SF	2.25	\$85,800	\$21,450	\$107,250		
Mechanical Work Subtotal:				\$913,800			\$1,142,250	
ECTRICAL WORK	-	-	_	_	_	_	_	
Electrical-Power								
Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		
Lighting								
Upgrade Gym Lighting	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		
Upgrade Site Lighting	1	Is	49,000.00	\$49,000	\$12,250	\$61,250		
Upgrade Exterior building mounted Lighting	1	Is	20,000.00	\$20,000	\$5,000	\$25,000		
	1	Is	15,000.00	\$15,000	\$3,750	\$18,750		
Add Exterior Emergency Egress Lighting				07.000	¢1.750	\$8,750		
Add Exterior Emergency Egress Lighting Add Occupancy Sensors	1	ls	7,000.00	\$7,000	\$1,750	\$0,730		
	1 38,147	ls SF	7,000.00 2.70	\$7,000 \$103,000	\$25,750	\$128,750		
Add Occupancy Sensors	1 38,147 1							

Electrical Work Subtotal: \$465,900 \$582,375



MIDLAND PUBLIC SCHOOLS

Date: 10/1/2014 site visit: 6/30/2014

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

Site visit: 6/30/2014

Site visit: 6/30/2014

Benrollment: x

enrollment: x

ste visit: 6/30/2014

Enrollment: x

ste visit: 6/30/2014

Enrollment: x

Site Size: 16.000

				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Sei
HNOLOGY INFRASTRUCTURE	-							
Cabling Infrastructure								
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		
Allowance for cabling to support series 2 needs	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		
letwork / Wireless / Phone								
Replace network infr building core	1	ea	13,000.00	\$13,000	\$3,250	\$16,250		
Replace network infr edge switches	8	ea	4,200.00	\$33,600	\$8,400	\$42,000	Based on existing plus 1 per closet growth	
Replace UPS in each telecommunication room	1	ea	3,000.00	\$3,000	\$750	\$3,750		
Network infrastructure for Series 1 needs	1	Is	12,400.00	\$12,400	\$3,100	\$15,500		
Replace wireless infrastructure	32	ea	950.00	\$30,400	\$7,600	\$38,000		
Replace phone system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		
Clock System								
Replace clock system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		
<u>Security</u>								
Video surveillance	1	ls	18,000.00	\$18,000	\$4,500	\$22,500		
Expand access control	1	ls	9,500.00	\$9,500	\$2,375	\$11,875		
Install district-wide PA system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		
Technology Infrastructure Subtotal:	:			\$209,900			\$262,375	
Remodeling Subtotal:				\$3,193,000				
WORK	_	_	_	_	_	_		
								_
Site Infrastructure								
Improve site furnishings		allo	15 000 00	\$15,000	\$3,750	\$18,750	hike racks flag note fencing	
Improve site furnishings Improve site grading / landscaping	1	allo allo	15,000.00 75.000.00	\$15,000 \$75,000	\$3,750 \$18.750		bike racks, flag pole, fencing	
Improve site furnishings Improve site grading / landscaping Site Work for Addition	1 1 9,500	allo allo sf	15,000.00 75,000.00 8.00	\$15,000 \$75,000 \$76,000	\$3,750 \$18,750 \$19,000	\$93,750	bike racks, flag pole, fencing groundwater issues utilities, paving, restoration	
Improve site grading / landscaping Site Work for Addition	1	allo	75,000.00	\$75,000	\$18,750	\$93,750	groundwater issues	
Improve site grading / landscaping Site Work for Addition Site Paving	1	allo sf	75,000.00 8.00	\$75,000 \$76,000	\$18,750 \$19,000	\$93,750 \$95,000	groundwater issues utilities, paving, restoration	
Improve site grading / landscaping Site Work for Addition Site Paving Replace site concrete	9,500 1	allo sf allo	75,000.00 8.00 12,000.00	\$75,000 \$76,000 \$12,000	\$18,750 \$19,000 \$3,000	\$93,750 \$95,000 \$15,000	groundwater issues	
Improve site grading / landscaping Site Work for Addition Site Paving	9,500	allo sf	75,000.00 8.00	\$75,000 \$76,000	\$18,750 \$19,000	\$93,750 \$95,000 \$15,000 \$103,125	groundwater issues utilities, paving, restoration	
Improve site grading / landscaping Site Work for Addition  ite Paving Replace site concrete Repave parking and drives Install new parking areas (w/ storm system)	9,500 1 33	allo sf allo ksf	75,000.00 8.00 12,000.00 2,500.00	\$75,000 \$76,000 \$12,000 \$82,500	\$18,750 \$19,000 \$3,000 \$20,625	\$93,750 \$95,000 \$15,000 \$103,125	groundwater issues utilities, paving, restoration  Install sidewalk connecting to neighborhoo	
Improve site grading / landscaping Site Work for Addition  site Paving Replace site concrete Repave parking and drives Install new parking areas (w/ storm system)	9,500 1 33	allo sf allo ksf	75,000.00 8.00 12,000.00 2,500.00	\$75,000 \$76,000 \$12,000 \$82,500	\$18,750 \$19,000 \$3,000 \$20,625	\$93,750 \$95,000 \$15,000 \$103,125	groundwater issues utilities, paving, restoration  Install sidewalk connecting to neighborhoo	
Improve site grading / landscaping Site Work for Addition  site Paving Replace site concrete Repave parking and drives Install new parking areas (w/ storm system)	1 9,500 1 33 14	allo sf allo ksf ksf	75,000.00 8.00 12,000.00 2,500.00 7,500.00	\$75,000 \$76,000 \$12,000 \$82,500 \$105,000	\$18,750 \$19,000 \$3,000 \$20,625 \$26,250	\$93,750 \$95,000 \$15,000 \$103,125 \$131,250	groundwater issues utilities, paving, restoration  Install sidewalk connecting to neighborhoo	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Repave parking and drives Install new parking areas (w/ storm system)  Playfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:	1 9,500 1 33 14	allo sf allo ksf ksf	75,000.00 8.00 12,000.00 2,500.00 7,500.00	\$75,000 \$76,000 \$12,000 \$82,500 \$105,000 \$40,000	\$18,750 \$19,000 \$3,000 \$20,625 \$26,250	\$93,750 \$95,000 \$15,000 \$103,125 \$131,250	groundwater issues utilities, paving, restoration  Install sidewalk connecting to neighborhoo  Extend asphalt parking and create loop at	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Repave parking and drives Install new parking areas (w/ storm system)  Playfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT	1 9,500 1 33 14	allo sf allo ksf ksf	75,000.00 8.00 12,000.00 2,500.00 7,500.00	\$75,000 \$76,000 \$12,000 \$82,500 \$105,000 \$40,000	\$18,750 \$19,000 \$3,000 \$20,625 \$26,250	\$93,750 \$95,000 \$15,000 \$103,125 \$131,250	groundwater issues utilities, paving, restoration  Install sidewalk connecting to neighborhoo  Extend asphalt parking and create loop at	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Repave parking and drives Install new parking areas (w/ storm system)  Playfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices	1 9,500 1 33 14 1	allo sf allo ksf ksf	75,000.00 8.00 12,000.00 2,500.00 7,500.00 40,000.00	\$75,000 \$76,000 \$12,000 \$82,500 \$105,000 \$40,000 \$405,500	\$18,750 \$19,000 \$3,000 \$20,625 \$26,250 \$10,000	\$93,750 \$95,000 \$15,000 \$103,125 \$131,250 \$50,000	groundwater issues utilities, paving, restoration  Install sidewalk connecting to neighborhoo  Extend asphalt parking and create loop at	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Repave parking and drives Install new parking areas (w/ storm system)  Playfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT	1 9,500 1 33 14	allo sf allo ksf ksf	75,000.00 8.00 12,000.00 2,500.00 7,500.00	\$75,000 \$76,000 \$12,000 \$82,500 \$105,000 \$40,000	\$18,750 \$19,000 \$3,000 \$20,625 \$26,250	\$93,750 \$95,000 \$15,000 \$103,125 \$131,250	groundwater issues utilities, paving, restoration  Install sidewalk connecting to neighborhoo  Extend asphalt parking and create loop at	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Repave parking and drives Install new parking areas (w/ storm system)  Playfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops	1 9,500 1 33 14 1 :	allo sf allo ksf ksf ls	75,000.00 8.00 12,000.00 2,500.00 7,500.00 40,000.00	\$75,000 \$76,000 \$12,000 \$82,500 \$105,000 \$40,000 \$405,500	\$18,750 \$19,000 \$3,000 \$20,625 \$26,250 \$10,000	\$93,750 \$95,000 \$15,000 \$103,125 \$131,250 \$50,000 \$43,750 \$28,438	groundwater issues utilities, paving, restoration  Install sidewalk connecting to neighborhoo  Extend asphalt parking and create loop at	
Improve site grading / landscaping Site Work for Addition  ite Paving Replace site concrete Repave parking and drives Install new parking areas (w/ storm system)  itayfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff	1 9,500 1 33 14 1 :	allo sf allo ksf ksf	75,000.00 8.00 12,000.00 2,500.00 7,500.00 40,000.00	\$75,000 \$76,000 \$12,000 \$82,500 \$105,000 \$40,000 \$405,500 \$35,000 \$22,750	\$18,750 \$19,000 \$3,000 \$20,625 \$26,250 \$10,000 \$8,750 \$5,688	\$93,750 \$95,000 \$15,000 \$103,125 \$131,250 \$50,000 \$43,750 \$28,438 \$43,125	groundwater issues utilities, paving, restoration  Install sidewalk connecting to neighborhoo Extend asphalt parking and create loop at  \$506,875	
Improve site grading / landscaping Site Work for Addition  ite Paving Replace site concrete Repave parking and drives Install new parking areas (w/ storm system)  itayfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts	1 9,500 1 1 33 14 1 1 :	allo sf  allo ksf ksf  Is	75,000.00 8.00 12,000.00 2,500.00 7,500.00 40,000.00 1,000.00 650.00 34,500.00	\$75,000 \$76,000 \$12,000 \$82,500 \$105,000 \$40,000 \$405,500 \$35,000 \$22,750 \$34,500	\$18,750 \$19,000 \$3,000 \$20,625 \$26,250 \$10,000 \$8,750 \$5,688 \$8,625	\$93,750 \$95,000 \$15,000 \$103,125 \$131,250 \$50,000 \$43,750 \$28,438 \$43,125	groundwater issues utilities, paving, restoration  Install sidewalk connecting to neighborhoo  Extend asphalt parking and create loop at  \$506,875  Replace laptops only, use existing cart	
Improve site grading / landscaping Site Work for Addition  ite Paving Replace site concrete Repave parking and drives Install new parking areas (w/ storm system)  layfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  omputers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart)	1 9,500 1 33 14 1 ::	allo sf  allo ksf ksf  Is	75,000.00 8.00 12,000.00 2,500.00 7,500.00 40,000.00 1,000.00 650.00 34,500.00 650.00	\$75,000 \$76,000 \$12,000 \$82,500 \$105,000 \$40,000 \$405,500 \$35,000 \$22,750 \$34,500 \$362,050	\$18,750 \$19,000 \$3,000 \$20,625 \$26,250 \$10,000 \$8,750 \$5,688 \$8,625 \$90,513	\$93,750 \$95,000 \$15,000 \$103,125 \$131,250 \$50,000 \$43,750 \$28,438 \$43,125 \$452,563	groundwater issues utilities, paving, restoration  Install sidewalk connecting to neighborhoo  Extend asphalt parking and create loop at  \$506,875  Replace laptops only, use existing cart	
Improve site grading / landscaping Site Work for Addition  iite Paving Replace site concrete Repave parking and drives Install new parking areas (w/ storm system)  Playfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3	1 9,500 1 33 14 1 ::	allo sf  allo ksf ksf  Is  ea ea ea ea ls	75,000.00 8.00 12,000.00 2,500.00 7,500.00 40,000.00 1,000.00 650.00 34,500.00 650.00 454,300.00	\$75,000 \$76,000 \$12,000 \$82,500 \$105,000 \$40,000 \$405,500 \$35,000 \$22,750 \$34,500 \$362,050 \$454,300	\$18,750 \$19,000 \$3,000 \$20,625 \$26,250 \$10,000 \$8,750 \$5,688 \$8,625 \$90,513 \$45,430	\$93,750 \$95,000 \$15,000 \$103,125 \$131,250 \$50,000 \$43,750 \$28,438 \$43,125 \$452,563 \$499,730	groundwater issues utilities, paving, restoration  Install sidewalk connecting to neighborhoo  Extend asphalt parking and create loop at  \$506,875  Replace laptops only, use existing cart	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Repave parking and drives Install new parking areas (w/ storm system)  Playfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3	1 9,500 1 33 14 1 ::	allo sf  allo ksf ksf  Is  ea ea ea ea ls	75,000.00 8.00 12,000.00 2,500.00 7,500.00 40,000.00 1,000.00 650.00 34,500.00 650.00 454,300.00	\$75,000 \$76,000 \$12,000 \$82,500 \$105,000 \$40,000 \$405,500 \$35,000 \$22,750 \$34,500 \$362,050 \$454,300	\$18,750 \$19,000 \$3,000 \$20,625 \$26,250 \$10,000 \$8,750 \$5,688 \$8,625 \$90,513 \$45,430	\$93,750 \$95,000 \$15,000 \$103,125 \$131,250 \$50,000 \$43,750 \$28,438 \$43,125 \$452,563 \$499,730	groundwater issues utilities, paving, restoration  Install sidewalk connecting to neighborhoo  Extend asphalt parking and create loop at  \$506,875  Replace laptops only, use existing cart	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Repave parking and drives Install new parking areas (w/ storm system)  Playfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3  Classroom Technologies	1 9,500 1 33 14 1 ::	allo sf  allo ksf ksf  Is  ea ea ea ea ls Is	1,000.00 40,000.00 1,000.00 40,000.00 1,000.00 650.00 34,500.00 650.00 454,300.00 384,800.00	\$75,000 \$76,000 \$12,000 \$82,500 \$105,000 \$40,000 \$405,500 \$35,000 \$22,750 \$34,500 \$362,050 \$454,300 \$384,800	\$18,750 \$19,000 \$3,000 \$20,625 \$26,250 \$10,000 \$8,750 \$5,688 \$8,625 \$90,513 \$45,430 \$38,480	\$93,750 \$95,000 \$103,125 \$131,250 \$50,000 \$43,750 \$28,438 \$43,125 \$452,563 \$499,730 \$423,280	groundwater issues utilities, paving, restoration  Install sidewalk connecting to neighborhoo  Extend asphalt parking and create loop at  \$506,875  Replace laptops only, use existing cart	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Repave parking and drives Install new parking areas (w/ storm system)  Playfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3  Classroom Technologies Install classroom/lab projectors	1 9,500 1 33 14 1 ::	allo sf  allo ksf ksf  Is  ea ea ea ea ls ls	75,000.00 8.00 12,000.00 2,500.00 7,500.00 40,000.00 650.00 34,500.00 650.00 454,300.00 384,800.00	\$75,000 \$76,000 \$12,000 \$82,500 \$105,000 \$40,000 \$405,500 \$35,000 \$22,750 \$34,500 \$362,050 \$454,300 \$384,800	\$18,750 \$19,000 \$3,000 \$20,625 \$26,250 \$10,000 \$8,750 \$5,688 \$8,625 \$90,513 \$45,430 \$38,480 \$13,950	\$93,750 \$95,000 \$15,000 \$103,125 \$131,250 \$50,000 \$43,750 \$28,438 \$43,125 \$452,563 \$499,730 \$423,280	groundwater issues utilities, paving, restoration  Install sidewalk connecting to neighborhoo  Extend asphalt parking and create loop at  \$506,875  Replace laptops only, use existing cart	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Repave parking and drives Install new parking areas (w/ storm system)  Playfields (playground/athletics) Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3  Classroom Technologies Install classroom/lab projectors Install sound field amplification	1 9,500 1 33 14 1 :: : : : : : : : : : : : : : : : :	allo sf  allo ksf ksf  Is  ea ea ea ls ls ls	75,000.00 8.00 12,000.00 2,500.00 7,500.00 40,000.00 40,000.00 650.00 34,500.00 650.00 454,300.00 384,800.00 1,800.00 1,250.00	\$75,000 \$76,000 \$12,000 \$82,500 \$105,000 \$40,000 \$405,500 \$35,000 \$22,750 \$34,500 \$362,050 \$454,300 \$384,800 \$384,800	\$18,750 \$19,000 \$3,000 \$20,625 \$26,250 \$10,000 \$8,750 \$5,688 \$8,625 \$90,513 \$45,430 \$38,480 \$13,950 \$9,688	\$93,750 \$95,000 \$15,000 \$103,125 \$131,250 \$50,000 \$43,750 \$28,438 \$43,125 \$452,563 \$499,730 \$423,280	groundwater issues utilities, paving, restoration  Install sidewalk connecting to neighborhoo  Extend asphalt parking and create loop at  \$506,875  Replace laptops only, use existing cart	



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

egory				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Seri
RNITURE, 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	7

TOTAL DIRECT COSTS:	\$7,023,200	\$8,640,746
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	\$8,640,746 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

 Siebert Elementary School
 Year Built:
 1958
 step of the project Work List
 48,489
 capacity:
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 Building Project Work List
 Site Size:
 14,000
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ory				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	s
CONSTRUCTION								
ldition								Т
Cafeteria/Gym	6,500	sf	190.00	\$1,235,000	\$308,750	\$1,543,750		
Stage	1,500	sf	190.00	\$285,000	\$71,250	\$356,250		
Kitchen	400	sf	200.00	\$80,000	\$20,000	\$100,000		
Toilet Rooms	400	sf	250.00	\$100,000	\$25,000	\$125,000		
Storage/Circulation	700	sf	150.00	\$105,000	\$26,250	\$131,250		
New Construction Subtotal:	9,500		190.00	\$1,805,000			\$2,256,250	
TECTURAL WORK								
vironmental								
Abate asbestos floor tile	32	ksf	1,500.00	\$48,000	\$12,000	\$60,000		
Abate asbestos at mechanical	1	ls	5,000.00	\$5,000	\$1,250	\$6,250		
Boolean dears frames and hardware	26	00	2 000 00	¢70 000	¢10 500	\$07.500		
Replace doors, frames and hardware Replace glazing systems	26 6,200	ea sf	3,000.00 60.00	\$78,000 \$372,000	\$19,500 \$93,000	\$97,500 \$465,000		
Add downspouts and gutters	1	allo	2,500.00	\$2,500	\$625		North storage building needs gutter systen	
erior Construction								
Replace doors, frames and hardware	26	ea	2,000.00	\$52,000	\$13,000	\$65,000	classrooms only	
Replace flooring	35,000	sf	4.25	\$148,800	\$37,200	\$186,000		
Replace visual display boards	10	ea	2,500.00	\$25,000	\$6,250		chalk to marker	
Replace toilet partitions & accessories	10	ea	2,500.00	\$25,000	\$6,250		metal to plastic	
Replace casework	400	lf	425.00	\$170,000	\$42,500		original wood	
Remodel toilet rooms	1	ls	8,000.00	\$8,000	\$2,000		flooring and partitions	
Modify lobby to create secure entrance	1,000	sf	100.00	\$100,000	\$25,000	\$125,000		
Convert multi-purpose space to media center	3,000	sf	75.00	\$225,000	\$56,250	\$281,250		
Renovate media center to breakout lab	1,000	sf	50.00	\$50,000	\$12,500	\$62,500		
Renovations to connect to addition	9,500	sf	5.00	\$47,500	\$11,875	\$59,375		
Architectural Work Subtotal:				\$1,356,800			\$1,696,000	
ANICAL WORK								
V.A.C.								
Replace Boiler/pumps (elementary)	2	ea	100,000.00	\$200,000	\$50,000	\$250,000		
Replace Unit Ventilators with new vertical Unit Vents	16	ea	16,000.00	\$256,000	\$64,000	\$320,000		
Replace Office Heating & Venting Units	1	ea	20,000.00	\$20,000	\$5,000		5 Ton RTU	
Replace Classroom Heating & Venting	3	ea	25,000.00	\$75,000	\$18,750	\$93,750		
Replace Gym Heatgin & Venting Units	1	ea	40,000.00	\$40,000	\$10,000	\$50,000	MDE (feelesste) and IDE	
Add AC to Tech Closet	2	ea	10,000.00	\$20,000	\$5,000		MDF (if relocate) and IDF	
Replace Cabinet Unit Heaters Replace Exhaust Fans	6 4	ea ea	5,000.00 4,000.00	\$30,000 \$16,000	\$7,500 \$4,000	\$37,500 \$20,000		
mperature Controls	•		1,000.00	φ.ιο,σσσ	ψ1,000	<b>\$20,000</b>		
Replace all pneumatic controls with Digital	48,489	SF	2.25	\$109,100	\$27,275	\$136,375		
Mechanical Work Subtotal:				\$766,100			\$957,625	
RICAL WORK								
ectrical-Power								
Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		
ghting								
Upgrade Site Lighting	1	ls	46,000.00	\$46,000	\$11,500	\$57,500		
Upgrade Exterior building mounted Lighting	1	ls	14,000.00	\$14,000	\$3,500	\$17,500		
Add Occupancy Sensors	1	LS	7,000.00	\$7,000	\$1,750	\$8,750		

Barton Malow Company



MIDLAND PUBLIC SCHOOLS

Date: 10/1/2014 site visit: 6/30/2014

District Wide Facility Assessment

Grades: K-5 enrollment: x

Siebert Elementary School

5700 Siebert St., Midland, MI 48640

Building Size: 48,489 capacity: x

Building Project Work List

Site Size: 14.000

gory Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Seri
Description	Qty	Onit	Unit Cost	Cost	Costs	Estilliate	Subtotais	Seri
HNOLOGY INFRASTRUCTURE								
Cabling Infrastructure								
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
letwork / Wireless / Phone								
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		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 Replace wireless infrastructure	41	ls ea	17,350.00 950.00	\$17,350 \$38,950	\$4,338 \$9,738	\$21,688 \$48,688		2
Replace phone system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		2
		13	23,000.00	Ψ20,000	ψ0,230	ψ31,230		
Clock System  Replace clock system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		1
		10	20,000.00	Ψ20,000	ψ0,200	ψ01,200		•
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	\$4,300 \$2,375	\$11,875		1
Install district-wide PA system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		1
·			20,000.00		ψ0,200	ψο 1,200	\$220.425	•
Technology Infrastructure Subtotal:				\$265,700			\$332,125	
Remodeling Subtotal:				\$2,460,600				
WORK								
ite Infrastructure								
Improve site furnishings	1	allo	15,000.00	\$15,000	\$3,750		bike racks, flag pole, fencing	1
Improve site grading / landscaping	1	allo	20,000.00	\$20,000	\$5,000		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
ite Paving								
Replace site concrete	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	New concrete needed in play area, addres	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
Playfields (playground/athletics)								
(bind At cattoring to 100)								2
Replace asphalt play area	10	ksf	2,500.00	\$25,000	\$6,250	\$31,250		
	10 1	ksf Is	2,500.00 40,000.00	\$25,000 \$40,000	\$6,250 \$10,000	\$31,250 \$50,000		2
Replace asphalt play area							\$554,375	2
Replace asphalt play area Improve playground / playfield area Site Work Subtotal:				\$40,000			\$554,375	2
Replace asphalt play area Improve playground / playfield area Site Work Subtotal: RUCTIONAL TECHNOLOGY EQUIPMENT				\$40,000			\$554,375	2
Replace asphalt play area Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices	1	Is	40,000.00	\$40,000 \$443,500	\$10,000	\$50,000	\$554,375	
Replace asphalt play area Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices  Replace teacher/staff laptops	42	ea	1,000.00	\$40,000 \$443,500 \$42,000	\$10,000 \$10,500	\$50,000 \$52,500	\$554,375	1
Replace asphalt play area Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices  Replace teacher/staff laptops  Mobile devices for teachers/staff	42 42	ea ea	1,000.00 650.00	\$40,000 \$443,500 \$42,000 \$27,300	\$10,000 \$10,500 \$6,825	\$50,000 \$52,500 \$34,125		1 1
Replace asphalt play area Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices  Replace teacher/staff laptops  Mobile devices for teachers/staff  Replace student laptop carts	42 42 42 1	ea ea ea	1,000.00 650.00 34,500.00	\$40,000 \$443,500 \$42,000 \$27,300 \$34,500	\$10,000 \$10,500 \$6,825 \$8,625	\$50,000 \$52,500 \$34,125 \$43,125	Replace laptops only, use existing cart	1 1 1
Replace asphalt play area Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices  Replace teacher/staff laptops  Mobile devices for teachers/staff  Replace student laptop carts  Mobile devices for students (does not include cart)	42 42 41 630	ea ea ea ea	1,000.00 650.00 34,500.00 650.00	\$40,000 \$443,500 \$42,000 \$27,300 \$34,500 \$409,500	\$10,000 \$10,500 \$6,825 \$8,625 \$102,375	\$52,500 \$34,125 \$43,125 \$511,875		1 1 1 1
Replace asphalt play area Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2	42 42 1 630	ea ea ea ea Is	1,000.00 650.00 34,500.00 650.00 513,300.00	\$40,000 \$443,500 \$42,000 \$27,300 \$34,500 \$409,500 \$513,300	\$10,000 \$10,500 \$6,825 \$8,625 \$102,375 \$51,330	\$52,500 \$34,125 \$43,125 \$511,875 \$564,630	Replace laptops only, use existing cart	1 1 1 1 1 2
Replace asphalt play area Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices  Replace teacher/staff laptops  Mobile devices for teachers/staff  Replace student laptop carts  Mobile devices for students (does not include cart)	42 42 41 630	ea ea ea ea	1,000.00 650.00 34,500.00 650.00	\$40,000 \$443,500 \$42,000 \$27,300 \$34,500 \$409,500	\$10,000 \$10,500 \$6,825 \$8,625 \$102,375	\$52,500 \$34,125 \$43,125 \$511,875	Replace laptops only, use existing cart	1 1 1 1
Replace asphalt play area Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops  Mobile devices for teachers/staff Replace student laptop carts  Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3  Classroom Technologies	42 42 1 630 1	ea ea ea ea Is	1,000.00 650.00 34,500.00 650.00 513,300.00 436,800.00	\$40,000 \$443,500 \$42,000 \$27,300 \$34,500 \$409,500 \$513,300 \$436,800	\$10,500 \$6,825 \$8,625 \$102,375 \$51,330 \$43,680	\$52,500 \$34,125 \$43,125 \$511,875 \$564,630 \$480,480	Replace laptops only, use existing cart	1 1 1 1 1
Replace asphalt play area Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3  Classroom Technologies Install classroom/lab projectors	42 42 1 630 1 1	ea ea ea ea Is	1,000.00 650.00 34,500.00 650.00 513,300.00 436,800.00	\$40,000 \$443,500 \$42,000 \$27,300 \$34,500 \$409,500 \$513,300 \$436,800	\$10,000 \$10,500 \$6,825 \$8,625 \$102,375 \$51,330 \$43,680	\$52,500 \$34,125 \$43,125 \$511,875 \$564,630 \$480,480	Replace laptops only, use existing cart	1 1 1 1 1
Replace asphalt play area Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3  Classroom Technologies Install classroom/lab projectors Install sound field amplification	42 42 1 630 1 1 34 34	ea ea ea ea ls	1,000.00 650.00 34,500.00 650.00 513,300.00 436,800.00	\$40,000 \$443,500 \$42,000 \$27,300 \$34,500 \$409,500 \$513,300 \$436,800 \$61,200 \$42,500	\$10,000 \$10,500 \$6,825 \$8,625 \$102,375 \$51,330 \$43,680 \$15,300 \$10,625	\$52,500 \$34,125 \$43,125 \$511,875 \$564,630 \$480,480 \$76,500 \$53,125	Replace laptops only, use existing cart	1 1 1 1 2 3
Replace asphalt play area Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3  Classroom Technologies Install classroom/lab projectors Install sound field amplification Document camera	42 42 1 630 1 1 34 34 5	ea ea ea ls ls ea ea ea ea	1,000.00 650.00 34,500.00 650.00 513,300.00 436,800.00 1,800.00 1,250.00 550.00	\$42,000 \$443,500 \$42,000 \$27,300 \$34,500 \$409,500 \$513,300 \$436,800 \$61,200 \$42,500 \$2,750	\$10,000 \$10,500 \$6,825 \$8,625 \$102,375 \$51,330 \$43,680 \$15,300 \$10,625 \$688	\$52,500 \$34,125 \$43,125 \$511,875 \$564,630 \$480,480 \$76,500 \$53,125 \$3,438	Replace laptops only, use existing cart	1 1 1 1 2 3 3
Replace asphalt play area Improve playground / playfield area  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3  Classroom Technologies Install classroom/lab projectors Install sound field amplification	42 42 1 630 1 1 34 34	ea ea ea ls ls ea ea ea ea	1,000.00 650.00 34,500.00 650.00 513,300.00 436,800.00	\$40,000 \$443,500 \$42,000 \$27,300 \$34,500 \$409,500 \$513,300 \$436,800 \$61,200 \$42,500	\$10,000 \$10,500 \$6,825 \$8,625 \$102,375 \$51,330 \$43,680 \$15,300 \$10,625	\$52,500 \$34,125 \$43,125 \$511,875 \$564,630 \$480,480 \$76,500 \$53,125	Replace laptops only, use existing cart	11 11 11 22 33



MIDLAND PUBLIC SCHOOLSDate:10/1/2014site visit:6/30/2014District Wide Facility AssessmentGrades:K-5enrollment: xSiebert Elementary SchoolYear Built:19585700 Siebert St., Midland, MI 48640Building Size:48,489capacity: xBuilding Project Work ListSite Size:14.000

gory				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Ser
NITURE, FURNISHINGS, EQUIPMENT								
Fechnology - 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		
<u> Fechnology - Audiovisual</u>								
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		
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	
F, F, & E Subtotal:				\$184,500			\$215,883	_

TOTAL DIRECT COST	S: \$6,524,650	\$7,998,556
Project Contingence	cy: \$652,465	
General Condition		
CM Fee / Reimbursable	es: \$354,975	
A/E Fee / Reimbursable	es: \$354,975	
TOTAL PROJECT COST	S: \$7,998,556	\$7,998,556 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

Central School

(Central Middle School Campus)

Building Project Work List

Date: 10/1/2014 site visit: N/A

enrollment: N/A

Puar Built: 2017

Site Size: x

Iding Project Work List						Site Size:	х	
egory				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Sei
CONSTRUCTION								
Addition								
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	
HITECTURAL WORK								
Environmental								
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
nterior Construction								
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	
CTRICAL WORK								
Electrical-Power  Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
Electrical Work Subtotal:		uo	0,000.00	\$5,000	ψ1, <u>2</u> 00	ψ0,200	\$6,250	
WALLOW MEDIA OFFICE WALL								_
HNOLOGY INFRASTRUCTURE								
Cabling Infrastructure								
Fiber backbone to IDFs for 10G	4	ea	2,500.00	\$10,000	\$2,500		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
Network / Wireless / Phone	1	ea	25,000.00	\$25,000	\$6,250	\$31,250		1
Network infr building core  Network infr edge switches	1	ea Is	75,000.00	\$25,000 \$75,000	\$6,250 \$18,750	\$93,750		1
UPS in each telecommunication room	4	ea	3,000.00	\$12,000	\$3,000		Assumes part of building would be demolis	1
Network infrastructure for Series 3 needs	1	ls					Assumes part of building would be demois	3
Wireless infrastructure  Wireless infrastructure	57	ea	25,000.00 950.00	\$25,000 \$53,833	\$6,250 \$13,458	\$31,250 \$67,292		1
	1	ea Is	30,000.00	\$30,000	\$13,458	\$67,292		1
Phone system	1	15	30,000.00	φου,υυυ	Ψ1,500	φ31,300		
Clock System Clock system	1	ls	27,000.00	\$27,000	\$6,750	\$33,750		1
Security								
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	
				A. A				
Remodeling Subtotal:				\$1,981,833				



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

rumg r rojour rrom =:or								
egory				Direct	Indirect	Total	Notes /	
	04.	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Seri
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Seri
WORK								
Site Infrastructure								
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
Site Paving								
Install new parking areas (w/ storm system)	22	ksf	7,500.00	\$165,000	\$41,250	\$206,250		1
Playfields (playground/athletics) Improve playground / playfield area	1	ls	75,000.00	\$75,000	\$18,750	\$93,750		1
	. '	15	73,000.00		φ10,730	φ93,730		
Site Work Subtota	ıl:			\$515,200			\$644,000	
FRUCTIONAL TECHNOLOGY EQUIPMENT								
Computers and Mobile Devices (based on Carpenter and	d Eastlawn Q	uantitie	s)					
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 subtota	ıl:			\$2,166,500			\$2,525,320	$\neg$
							. , ,	
NITURE, 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  Penlacement furniture & furnishings	24,000	sf	2.00	\$48,000	\$5,760	¢53.760	cafeteria tables and gym equipment	1
Replacement furniture & furnishings Furniture for Addition	64,400	sr sf	4.00	\$48,000 \$257,600	\$5,760 \$30,912		classroom desks and chairs	1
i dirikule foi Addition	04,400	31	4.00	φ237,000	φ50,912	Ψ200,312	Gassioum desks and Chairs	
	d:			\$460,700			\$536,147	1

TOTAL DIRECT COSTS:	\$17,489,033	\$21,638,759
	•	
Project Contingency:	\$1,748,903	
General Conditions:	\$325,407	
CM Fee / Reimbursables:	\$1,037,708	
A/E Fee / Reimbursables:	\$1,037,708	
TOTAL BROUTOT COOTS	****	004.000.750 .   .   #
TOTAL PROJECT COSTS:	\$21,638,759	\$21,638,759 check#
Notes:		
Indirect costs include; contingency, general conditions & professional fees		



MIDLAND PUBLIC SCHOOLSDate:10/1/2014site visit:N/ADistrict Wide Facility AssessmentGrades:N/Aenrollment:N/ACentral Auditorium (Performing Arts Center)Year Built:1937305 E. Reardon St., Midland, MIBuilding Size:125,135capacity:765Building Project Work ListSite Size:20.000

mig i roject work Elst							
ory				Direct	Indirect	Total	Notes /
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals
ONSTRUCTION							
ddition Enlarge front lobby	2,000	sf	192.00	\$384,000	\$96,000	\$480,000	
Enlarge back of stage	2,000	sf	192.00	\$384,000	\$96,000	\$480,000	
New Construction Subtotal:	4,000		192.00	\$768,000			\$960,000
HITECTURAL WORK							
Environmental							
Abate asbestos for building demolition	49,000	sf	2.00	\$98,000	\$24,500	\$122,500	
Demolition  Demo classroom portion of building	25,000	sf	6.00	\$150,000	\$37,500	\$187 500	except gym/café
	23,000	31	0.00	ψ100,000	ψ57,500	Ψ107,300	except gym/care
Interior Construction	21.000	e.c.	00.00	¢2.700.000	¢607 500	¢2.407.500	ing moch ? clas
Renovations to performing arts area  Renovations to connect to addition	31,000 4,000	sf sf	90.00 5.00	\$2,790,000 \$20,000	\$697,500 \$5,000		inc mech & elec inc mech & elec
	-,000	- 31			Ψ0,000	Ψ20,000	
Architectural Work Subtotal:				\$3,058,000			\$3,822,500
CTRICAL WORK							
Electrical-Power	4	-11-	F 000 00	<b>#F 000</b>	P4 050	<b>\$0.050</b>	
Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250	
Electrical Work Subtotal:				\$5,000			\$6,250
HNOLOGY INFRASTRUCTURE			_	_	_		
Cabling Infrastructure							
Remove Category 5 and/or supporting legacy cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500	
Fiber backbone to IDFs for 10G	1	ea	2,500.00	\$2,500	\$625	\$3,125	Assumes part of building would be demolis
Replace voice/data structured cabling	1	allo	10,000.00	\$10,000	\$2,500		Assumes rest in new elem costs
Allowance for cabling to support series 2 needs	1	allo	2,000.00	\$2,000	\$500	\$2,500	
Network / Wireless / Phone							
Replace network infr edge switches	6	ea	4,200.00	\$25,200	\$6,300	\$31,500	Assumes rest in new elem costs
Replace UPS in each telecommunication room	1	ea	3,000.00	\$3,000	\$750		Assumes part of building would be demolis
Network infrastructure for Series 1 needs	1	Is	7,050.00	\$7,050	\$1,763	\$8,813	
Replace wireless infrastructure	10	ea	950.00	\$9,500	\$2,375 \$1,975		Assumes rest in new elem costs
Replace phone system	1	ls	7,500.00	\$7,500	\$1,875	\$9,375	Assumes rest in new elem costs
Clock System			E 0000 000				
Replace clock system	1	ls	5,000.00	\$5,000	\$1,250	\$6,250	Assumes rest in new elem costs
Securit <u>y</u>							
Video surveillance	1	ls	7,500.00	\$7,500	\$1,875		Assumes rest in new elem costs
Expand access control	1	ls	5,000.00	\$5,000	\$1,250		Assumes rest in new elem costs
Install district-wide PA system	1	ls	5,000.00	\$5,000	\$1,250	\$6,250	Assumes rest in new elem costs
Technology Infrastructure Subtotal:				\$99,250			\$124,063
Remodeling Subtotal:				\$3,162,250			
WORK							
Site Infrastructure							
Improve site furnishings	1 000	allo	5,000.00	\$5,000	\$1,250 \$4,000		flag pole, fencing
Site Work for Addition	4,000	sf	4.00	\$16,000	\$4,000	\$20,000	utilities, paving, restoration
Site Paving	40	le-f	7 500 00	Φ75.000	040.750	400.750	
Install new parking areas (w/ storm system)	10	ksf	7,500.00	\$75,000	\$18,750	\$93,750	
							\$120,000



MIDLAND PUBLIC SCHOOLS Date: 10/1/2014 site visit: **District Wide Facility Assessment** Grades: N/A N/A enrollment: Central Auditorium (Performing Arts Center) Year Built: 1937 305 E. Reardon St., Midland, MI Building Size: 125,135 765 capacity: **Building Project Work List** Site Size: 20.000

ory				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Sc
UCTIONAL TECHNOLOGY EQUIPMENT								
mputers and Mobile Devices								
Replace teacher/staff laptops	15	ea	1,000.00	\$15,000	\$3,750	\$18,750		
Mobile devices for teachers/staff	15	ea	650.00	\$9,750	\$2,438	\$12,188		
Technology equipment - Series 2	1	ls	24,750.00	\$24,750	\$2,475	\$27,225		
Technology equipment - Series 3	1	ls	24,750.00	\$24,750	\$2,475	\$27,225		
Technology Equipment subtotal:				\$74,250			\$85,388	
TURE, FURNISHINGS, EQUIPMENT								
Replace BW printers	1	ea	600.00	\$600	\$150	\$750		
Replace color printers	1	ls	1,350.00	\$1,350	\$338	\$1,688		
Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		
chnology - Audiovisual								
Auditorium projector allowance	1	al	50,000.00	\$50,000	\$12,500	\$62,500		
Digital Signage	4	ea	2,800.00	\$11,200	\$2,800	\$14,000		
rniture & Furnishings								
Replacement furniture & furnishings	1	ls	31,196.00	\$31,196	\$3,744	\$34,940	desk and chairs	
Replacement equipment	1	ls	30,803.50	\$30,804	\$3,696	\$34,500	stage equipment	
Furniture for Addition	4,000	sf	4.00	\$16,000	\$1,920	\$17,920	lobby and storage	
F, F, & E Subtotal:				\$151,150			\$178,797	

	TOTAL DIRECT COSTS:	\$4,251,650	\$5,296,997
	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	\$5,296,997 check#
Notes: Indirect costs include; contingency, general conditions & p	professional face	_	



MIDLAND PUBLIC SCHOOLS

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

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

Building Floject Work List						Site Size.	22.000	
Category Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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	5.1g.1.c.	2
Replace soffits & canopy	1	ls	60,000.00	\$60,000	\$15,000		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	\$3,000		at removed asbestos	2
Replace visual display boards	25	ea	2,500.00	\$62,500	\$15,625	\$78,125	at removed aspectes	2
Replace toilet partitions & accessories	20	ea	2,500.00	\$50,000	\$12,500		metal to plastic	2
Replace gym equipment	8	ea	2,500.00	\$20,000	\$5,000		main & aux gym backboards	2
Replace casework	100	If	400.00	\$40,000	\$10,000	\$50,000	<u>.,</u>	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
•	·	Oi	2.23		ψ05,150	ψ515,750		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
			•		•		6047 500	
Electrical Work Subtotal:				\$174,000			\$217,500	



MIDLAND PUBLIC SCHOOLS

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

District Wide Facility Assessment

Jefferson Middle School

800 W. Chapel Ln, Midland, MI 48640

Building Project Work List

Site Size: 22.000

gory				Direct	Indirect	Total	Notes /
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals
NOLOGY INFRASTRUCTURE							
abling Infrastructure  Remove Category 5 and/or supporting legacy cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500	
Fiber backbone to IDFs for 10G	2	ea	2,500.00	\$5,000	\$1,250	\$6,250	
Additional voice/data structured cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500	
Allowance for cabling to support series 2 needs	1	allo	7,500.00	\$7,500	\$1,875	\$9,375	
Network / Wireless / Phone							
Replace network infr building core	1	ea	28,500.00	\$28,500	\$7,125	\$35,625	
Replace network infr edge switches	15	ea	4,200.00	\$63,000	\$15,750		Based on existing plus 1 per closet growth
Replace UPS in each telecommunication room	3	ea	3,000.00	\$9,000	\$2,250	\$11,250	
Network infrastructure for Series 1 needs	1	ls	25,125.00	\$25,125	\$6,281	\$31,406	
Replace wireless infrastructure	71	ea	950.00	\$67,450	\$16,863	\$84,313	
Replace phone system  Replace district servers	1	ls Is	35,000.00 35,000.00	\$35,000 \$35,000	\$8,750 \$8,750	\$43,750 \$43,750	
·		10	00,000.00	ψου,σοσ	ψ0,700	Ψ40,700	
Clock System  Replace clock system	1	Is	35,000.00	\$35,000	\$8,750	\$43,750	
Security	·	.0	00,000.00	ψου,σου	ψο,σσ	Ų 10,1 00	
Video surveillance	1	ls	41,000.00	\$41,000	\$10,250	\$51,250	
Expand access control	1	ls	15,000.00	\$15,000	\$3,750	\$18,750	
Install district-wide PA system	1	Is	35,000.00	\$35,000	\$8,750	\$43,750	
Technology Infrastructure Subtotal:	:			\$421,575			\$526,969
Domodalina Cubtatali				£2.026.47E			
Remodeling Subtotal:				\$2,836,475			
WORK							
Site Infrastructure							
Remove and replace fencing	1	allo	30,000.00	\$30,000	\$7,500	\$37,500	650 If of fencing around tennis courts
Improve site furnishings	1	allo	20,000.00	\$20,000	\$5,000	\$25,000	bike racks, flag pole, fencing
Improve site grading / landscaping	1	allo	50,000.00	\$50,000	\$12,500	\$62,500	Storm water detention area, additional land
Upgrade site utilities	1	allo	20,000.00	\$20,000	\$5,000	\$25,000	Additional storm sewer system
Site Paving							
Replace site concrete	1	allo	20,000.00	\$20,000	\$5,000	\$25,000	Install new 3500SF 8' sidewalk w/ integral
Repave parking and drives	61	ksf	2,500.00	\$152,500	\$38,125		Additional parking in south lot. Repair west
Repave parking and drives (deep strength asphalt)	14	ksf	4,000.00	\$56,000	\$14,000	\$70,000	Remove and replace bus drive
Playfields (playground/athletics)							
Upgrade athletic fields	1	ls	60,000.00	\$60,000	\$15,000		relocate existing ball diamond
Resurface tennis courts	1	ls	75,000.00	\$75,000	\$18,750	\$93,750	including nets and fencing
Site Work Subtotal:	<u> </u>			\$483,500			\$604,375
						_	
RUCTIONAL TECHNOLOGY EQUIPMENT							
	63	ea	1,000.00	\$63,000	\$15,750	\$78,750	
Computers and Mobile Devices	63 63	ea ea	1,000.00 650.00	\$63,000 \$40,950	\$15,750 \$10,238	\$78,750 \$51,188	
Computers and Mobile Devices Replace teacher/staff laptops			650.00 1,000.00				
Computers and Mobile Devices  Replace teacher/staff laptops  Mobile devices for teachers/staff	63	ea	650.00	\$40,950	\$10,238 \$16,000 \$8,625	\$51,188 \$80,000	Replace laptops only, use existing cart
Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace student laptop carts Mobile devices for students (does not include cart)	63 64 1 935	ea ea ea ea	650.00 1,000.00 34,500.00 650.00	\$40,950 \$64,000 \$34,500 \$607,750	\$10,238 \$16,000 \$8,625 \$151,938	\$51,188 \$80,000 \$43,125 \$759,688	Based on 2013 enrollment +5%
Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 1	63 64 1 935 1	ea ea ea ea Is	650.00 1,000.00 34,500.00 650.00 395,000.00	\$40,950 \$64,000 \$34,500 \$607,750 \$395,000	\$10,238 \$16,000 \$8,625 \$151,938 \$39,500	\$51,188 \$80,000 \$43,125 \$759,688 \$533,250	
Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 1 Technology equipment - Series 2	63 64 1 935 1	ea ea ea ea Is	650.00 1,000.00 34,500.00 650.00 395,000.00 111,325.00	\$40,950 \$64,000 \$34,500 \$607,750 \$395,000 \$111,325	\$10,238 \$16,000 \$8,625 \$151,938 \$39,500 \$11,133	\$51,188 \$80,000 \$43,125 \$759,688 \$533,250 \$122,458	Based on 2013 enrollment +5%
Computers and Mobile Devices  Replace teacher/staff laptops  Mobile devices for teachers/staff  Replace student / lab desktops  Replace student laptop carts  Mobile devices for students (does not include cart)  Technology equipment - Series 1	63 64 1 935 1	ea ea ea ea Is	650.00 1,000.00 34,500.00 650.00 395,000.00	\$40,950 \$64,000 \$34,500 \$607,750 \$395,000	\$10,238 \$16,000 \$8,625 \$151,938 \$39,500	\$51,188 \$80,000 \$43,125 \$759,688 \$533,250	Based on 2013 enrollment +5%
Computers and Mobile Devices  Replace teacher/staff laptops  Mobile devices for teachers/staff  Replace student / lab desktops  Replace student laptop carts  Mobile devices for students (does not include cart)  Technology equipment - Series 1  Technology equipment - Series 2  Technology equipment - Series 3	63 64 1 935 1	ea ea ea ea Is	650.00 1,000.00 34,500.00 650.00 395,000.00 111,325.00	\$40,950 \$64,000 \$34,500 \$607,750 \$395,000 \$111,325	\$10,238 \$16,000 \$8,625 \$151,938 \$39,500 \$11,133	\$51,188 \$80,000 \$43,125 \$759,688 \$533,250 \$122,458	Based on 2013 enrollment +5%
Computers and Mobile Devices  Replace teacher/staff laptops  Mobile devices for teachers/staff  Replace student / lab desktops  Replace student laptop carts  Mobile devices for students (does not include cart)  Technology equipment - Series 1  Technology equipment - Series 2  Technology equipment - Series 3	63 64 1 935 1 1 1 53	ea ea ea ea Is	650.00 1,000.00 34,500.00 650.00 395,000.00 111,325.00 344,825.00	\$40,950 \$64,000 \$34,500 \$607,750 \$395,000 \$111,325 \$344,825	\$10,238 \$16,000 \$8,625 \$151,938 \$39,500 \$11,133 \$34,483	\$51,188 \$80,000 \$43,125 \$759,688 \$533,250 \$122,458	Based on 2013 enrollment +5%
Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 1 Technology equipment - Series 2 Technology equipment - Series 3 Classroom Technologies Install classroom/lab projectors Install sound field amplification	63 64 1 935 1 1 1 1 53 53	ea ea ea Is Is	650.00 1,000.00 34,500.00 650.00 395,000.00 111,325.00 344,825.00 1,800.00 1,250.00	\$40,950 \$64,000 \$34,500 \$607,750 \$395,000 \$111,325 \$344,825 \$95,400 \$66,250	\$10,238 \$16,000 \$8,625 \$151,938 \$39,500 \$11,133 \$34,483 \$23,850 \$16,563	\$51,188 \$80,000 \$43,125 \$759,688 \$533,250 \$122,458 \$379,308 \$119,250 \$82,813	Based on 2013 enrollment +5%
Mobile devices for teachers/staff Replace student / lab desktops Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 1 Technology equipment - Series 2 Technology equipment - Series 3  Classroom Technologies Install classroom/lab projectors	63 64 1 935 1 1 1 53	ea ea ea ls ls	650.00 1,000.00 34,500.00 650.00 395,000.00 111,325.00 344,825.00	\$40,950 \$64,000 \$34,500 \$607,750 \$395,000 \$111,325 \$344,825	\$10,238 \$16,000 \$8,625 \$151,938 \$39,500 \$11,133 \$34,483	\$51,188 \$80,000 \$43,125 \$759,688 \$533,250 \$122,458 \$379,308	Based on 2013 enrollment +5%



MIDLAND PUBLIC SCHOOLS

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

District Wide Facility Assessment

Jefferson Middle School

800 W. Chapel Ln, Midland, MI 48640

Building Project Work List

Site Size: 22.000

egory				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	<b>Unit Cost</b>	Cost	Costs	Estimate	Subtotals	Sei
NITURE, 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		
Replace Point of Sale (POS) equipment / Food Service	3	ea	1,000.00	\$3,000	\$750	\$3,750		
Fechnology - Audiovisual  Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		
Conference room / IEP displays	2	ls	2,500.00	\$5,000	\$1,250	\$6,250		:
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		:
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	:
F, F, & E Subtotal:				\$319,050			\$371,331	

TOTAL DIRECT COSTS:	\$5,467,525	\$6,779,202
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	\$6,738,502 check#
Notes:		<u></u>
Indirect costs include; contingency, general conditions & professional fees		



MIDLAND PUBLIC SCHOOLS

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

District Wide Facility Assessment

Northeast Middle School

1305 E. Sugnet Rd., Midland MI 48642

Building Project Work List

Site Size: 13.000

Northeast Middle School						Year Built:	1950	
305 E. Sugnet Rd., Midland MI 48642						Building Size:	147,638 capacity: x	
uilding Project Work List						Site Size:	13.000	
tegory				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Serie
Description	ary	Oilit	OTHE OOSE	0031	30313	Lotimato	Gaptotalo	Gorie
CHITECTURAL WORK								
<u>Environmental</u>								
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		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 pealing/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 I	e 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	If	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	ı:			\$1,351,300			\$1,689,125	
ECHANICAL WORK		_						
Plumbing								
New Pool heater	1	ea	60,000.00	\$60,000	\$15,000	\$75,000	(eliminate need to run boilers)	2
HVAC								
H.V.A.C.  Replace Boiler	2		150,000,00	£300,000	<b>675.000</b>	¢275.000		1
	2		150,000.00	\$300,000	\$75,000	\$375,000		
Replace Condensate Pump Units		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		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	<b>:</b>			\$1,560,200			\$1,950,250	
ECTRICAL WORK								
Electrical-Power								
Add electrical to support technology	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		2
Lighting								
	1	ls	30 000 00	¢20,000	¢7 500	<b>#27 E00</b>		2
Upgrade Site Lighting	1		30,000.00	\$30,000 \$35,000	\$7,500 \$8,750	\$37,500 \$43,750		2
Upgrade Site Lighting	•	ls	35,000.00	\$35,000	\$8,750	\$43,750 \$11,250		
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
	4	lo.	20 000 00	man non	@E 000	#OF 000		2

Electrical Work Subtotal:

\$203,750

\$25,000

\$10,000

\$37,500

2

Upgrade Theater House Lights

Upgrade Kitchen Lighting

Upgrade Aux Gym Lighting

\$20,000

\$8,000

\$30,000

\$163,000

\$5,000

\$2,000

\$7,500

20,000.00

8,000.00

30,000.00

1 ls

1 ls

1 ls



MIDLAND PUBLIC SCHOOLS

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

District Wide Facility Assessment

Northeast Middle School

1305 E. Sugnet Rd., Midland MI 48642

Building Project Work List

Site Size: 13.000

						Site Size:	13.000
ry				Direct	Indirect	Total	Notes /
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals
DLOGY INFRASTRUCTURE	_	_	_	_	_	_	
ling Infrastructure							
Remove Category 5 and/or supporting legacy cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500	
Fiber backbone to IDFs for 10G	4	ea	2,500.00	\$10,000	\$2,500	\$12,500	
Additional voice/data structured cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500	
Allowance for cabling to support series 2 needs	1	allo	7,500.00	\$7,500	\$1,875	\$9,375	
work / Wireless / Phone							
Replace network infr building core	1	ea	28,500.00	\$28,500	\$7,125	\$35,625	
Replace network infr edge switches	24	ea	4,200.00	\$100,800	\$25,200	\$126,000	Based on existing plus 1 per closet growth
Replace UPS in each telecommunication room	5	ea	3,000.00	\$15,000	\$3,750	\$18,750	
Network infrastructure for Series 1 needs	1	Is	36,075.00	\$36,075	\$9,019	\$45,094	
Replace wireless infrastructure	98	ea	950.00	\$93,100	\$23,275	\$116,375	
Replace phone system	1	ls	35,000.00	\$35,000	\$8,750	\$43,750	
Replace district servers	1	ls	35,000.00	\$35,000	\$8,750	\$43,750	
k System							
Replace clock system	1	ls	35,000.00	\$35,000	\$8,750	\$43,750	
<u>urity</u>							
Video surveillance	1	ls	41,000.00	\$41,000	\$10,250	\$51,250	
Expand access control	1	ls	15,000.00	\$15,000	\$3,750	\$18,750	
nstall district-wide PA system	1	ls	35,000.00	\$35,000	\$8,750	\$43,750	
Technology Infrastructure Subtotal	:			\$506,975			\$633,719
Remodeling Subtotal	:			\$3,581,475			
-				40,000,000			
ORK .				<b>4</b> 0,001,110			
DRK Infrastructure	2	ea	10,000.00	\$20,000	\$5,000	\$25,000	
Infrastructure Demo modular building and restoration	2	ea allo	10,000.00 20,000.00		\$5,000 \$5,000		bike racks, flag pole, fencing
Infrastructure  Demo modular building and restoration Improve site furnishings				\$20,000			bike racks, flag pole, fencing
Infrastructure  Demo modular building and restoration Improve site furnishings  Paving				\$20,000			bike racks, flag pole, fencing
Infrastructure Demo modular building and restoration Improve site furnishings Paving Replace site concrete	1	allo	20,000.00	\$20,000 \$20,000	\$5,000	\$25,000 \$9,375	bike racks, flag pole, fencing  Problems at auto drop off area
Infrastructure Demo modular building and restoration Improve site furnishings Paving Replace site concrete Repave parking and drives	1	allo	20,000.00 7,500.00	\$20,000 \$20,000 \$7,500	\$5,000 \$1,875	\$25,000 \$9,375	
Infrastructure Demo modular building and restoration Improve site furnishings Paving Replace site concrete Repave parking and drives fields (playground/athletics)	1	allo allo allo	20,000.00 7,500.00 20,100.00	\$20,000 \$20,000 \$7,500 \$20,100	\$5,000 \$1,875 \$5,025	\$25,000 \$9,375 \$25,125	Problems at auto drop off area
Infrastructure Demo modular building and restoration Improve site furnishings Paving Replace site concrete Repave parking and drives fields (playground/athletics) Upgrade athletic fields	1 1 1	allo allo allo	20,000.00 7,500.00 20,100.00 60,000.00	\$20,000 \$20,000 \$7,500 \$20,100 \$60,000	\$5,000 \$1,875 \$5,025 \$15,000	\$25,000 \$9,375 \$25,125 \$75,000	Problems at auto drop off area baseball and soccer
Infrastructure Demo modular building and restoration Improve site furnishings Paving Replace site concrete Repave parking and drives fields (playground/athletics) Upgrade athletic fields Resurface tennis courts	1 1 1 1	allo allo allo	20,000.00 7,500.00 20,100.00	\$20,000 \$20,000 \$7,500 \$20,100 \$60,000 \$75,000	\$5,000 \$1,875 \$5,025	\$25,000 \$9,375 \$25,125 \$75,000	Problems at auto drop off area baseball and soccer nets and fencing
Infrastructure Demo modular building and restoration Improve site furnishings Paving Replace site concrete Repave parking and drives fields (playground/athletics) Upgrade athletic fields	1 1 1 1	allo allo allo	20,000.00 7,500.00 20,100.00 60,000.00	\$20,000 \$20,000 \$7,500 \$20,100 \$60,000	\$5,000 \$1,875 \$5,025 \$15,000	\$25,000 \$9,375 \$25,125 \$75,000	Problems at auto drop off area baseball and soccer
Infrastructure Demo modular building and restoration Improve site furnishings Paving Replace site concrete Repave parking and drives fields (playground/athletics) Upgrade athletic fields Resurface tennis courts  Site Work Subtotal	1 1 1 1	allo allo allo	20,000.00 7,500.00 20,100.00 60,000.00	\$20,000 \$20,000 \$7,500 \$20,100 \$60,000 \$75,000	\$5,000 \$1,875 \$5,025 \$15,000	\$25,000 \$9,375 \$25,125 \$75,000	Problems at auto drop off area baseball and soccer nets and fencing
Deno modular building and restoration Improve site furnishings  Paving Replace site concrete Repave parking and drives fields (playground/athletics) Upgrade athletic fields Resurface tennis courts  Site Work Subtotal CTIONAL TECHNOLOGY EQUIPMENT Uputers and Mobile Devices	1 1 1 1 1 :	allo allo allo Is Is	20,000.00 7,500.00 20,100.00 60,000.00 75,000.00	\$20,000 \$20,000 \$7,500 \$20,100 \$60,000 \$75,000 \$202,600	\$5,000 \$1,875 \$5,025 \$15,000 \$18,750	\$25,000 \$9,375 \$25,125 \$75,000 \$93,750	Problems at auto drop off area baseball and soccer nets and fencing
Infrastructure Demo modular building and restoration Improve site furnishings Paving Replace site concrete Repave parking and drives fields (playground/athletics) Upgrade athletic fields Resurface tennis courts Site Work Subtotal CTIONAL TECHNOLOGY EQUIPMENT Inputers and Mobile Devices Replace teacher/staff laptops	1 1 1 1 1 :	allo allo allo Is Is	20,000.00 7,500.00 20,100.00 60,000.00 75,000.00	\$20,000 \$20,000 \$7,500 \$20,100 \$60,000 \$75,000 \$202,600	\$5,000 \$1,875 \$5,025 \$15,000 \$18,750	\$25,000 \$9,375 \$25,125 \$75,000 \$93,750	Problems at auto drop off area baseball and soccer nets and fencing
Infrastructure Demo modular building and restoration mprove site furnishings Paving Replace site concrete Repave parking and drives fields (playground/athletics) Upgrade athletic fields Resurface tennis courts Site Work Subtotal CTIONAL TECHNOLOGY EQUIPMENT puters and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff	1 1 1 1 1 :	allo allo allo ls ls ea ea	20,000.00 7,500.00 20,100.00 60,000.00 75,000.00	\$20,000 \$20,000 \$7,500 \$20,100 \$60,000 \$75,000 \$202,600	\$5,000 \$1,875 \$5,025 \$15,000 \$18,750 \$19,000 \$12,350	\$25,000 \$9,375 \$25,125 \$75,000 \$93,750 \$95,000 \$61,750	Problems at auto drop off area baseball and soccer nets and fencing
Infrastructure Demo modular building and restoration Improve site furnishings Paving Replace site concrete Repave parking and drives fields (playground/athletics) Upgrade athletic fields Resurface tennis courts Site Work Subtotal CTIONAL TECHNOLOGY EQUIPMENT Inputers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops	1 1 1 1 1 :	allo allo ls ls ea ea ea	20,000.00  7,500.00 20,100.00  60,000.00 75,000.00  1,000.00 650.00 1,000.00	\$20,000 \$20,000 \$7,500 \$20,100 \$60,000 \$75,000 \$202,600 \$76,000 \$49,400 \$64,000	\$5,000 \$1,875 \$5,025 \$15,000 \$18,750 \$19,000 \$12,350 \$16,000	\$25,000 \$9,375 \$25,125 \$75,000 \$93,750 \$95,000 \$61,750 \$80,000	Problems at auto drop off area baseball and soccer nets and fencing \$253,250
Infrastructure Demo modular building and restoration mprove site furnishings Paving Replace site concrete Repave parking and drives fields (playground/athletics) Upgrade athletic fields Resurface tennis courts  Site Work Subtotal  CTIONAL TECHNOLOGY EQUIPMENT  puters and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace student laptop carts	1 1 1 1 1 1 :	allo allo ls ls ea ea ea ea ea	20,000.00  7,500.00 20,100.00  60,000.00 75,000.00  1,000.00 650.00 1,000.00 34,500.00	\$20,000 \$20,000 \$7,500 \$20,100 \$60,000 \$75,000 \$202,600 \$76,000 \$49,400 \$64,000 \$34,500	\$5,000 \$1,875 \$5,025 \$15,000 \$18,750 \$19,000 \$12,350 \$16,000 \$8,625	\$9,375 \$25,125 \$75,000 \$93,750 \$95,000 \$61,750 \$80,000 \$43,125	Problems at auto drop off area baseball and soccer nets and fencing \$253,250  Replace laptops only, use existing cart
Infrastructure Demo modular building and restoration Improve site furnishings Paving Replace site concrete Repave parking and drives fields (playground/athletics) Upgrade athletic fields Resurface tennis courts  Site Work Subtotal  CTIONAL TECHNOLOGY EQUIPMENT Inputers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace student laptop carts Mobile devices for students (does not include cart)	1 1 1 1 1 1 ::	allo allo allo ls ls ea ea ea ea ea ea	20,000.00  7,500.00 20,100.00  60,000.00 75,000.00  1,000.00 650.00 1,000.00 34,500.00 650.00	\$20,000 \$20,000 \$7,500 \$20,100 \$60,000 \$75,000 \$202,600 \$76,000 \$49,400 \$64,000 \$34,500 \$682,500	\$5,000 \$1,875 \$5,025 \$15,000 \$18,750 \$19,000 \$12,350 \$16,000 \$8,625 \$170,625	\$9,375 \$25,125 \$75,000 \$93,750 \$95,000 \$61,750 \$80,000 \$43,125 \$853,125	Problems at auto drop off area baseball and soccer nets and fencing \$253,250  Replace laptops only, use existing cart Based on 2013 enrollment +5%
Infrastructure Demo modular building and restoration Improve site furnishings Paving Replace site concrete Repave parking and drives Ifields (playground/athletics) Upgrade athletic fields Resurface tennis courts  Site Work Subtotal  CTIONAL TECHNOLOGY EQUIPMENT Inputers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace student laptop carts Mobile devices for students (does not include cart) Fechnology equipment - Series 1	1 1 1 1 1 1 1 ::	allo allo allo Is Is ea ea ea ea ea is	20,000.00  7,500.00 20,100.00  60,000.00 75,000.00  1,000.00 650.00 1,000.00 34,500.00 650.00 395,000.00	\$20,000 \$20,000 \$7,500 \$20,100 \$60,000 \$75,000 \$202,600 \$76,000 \$49,400 \$64,000 \$34,500 \$682,500 \$395,000	\$5,000 \$1,875 \$5,025 \$15,000 \$18,750 \$19,000 \$12,350 \$16,000 \$8,625 \$170,625 \$39,500	\$9,375 \$25,125 \$75,000 \$93,750 \$95,000 \$61,750 \$80,000 \$43,125 \$853,125 \$533,250	Problems at auto drop off area baseball and soccer nets and fencing \$253,250  Replace laptops only, use existing cart
Infrastructure Demo modular building and restoration Improve site furnishings Paving Replace site concrete Repave parking and drives fields (playground/athletics) Upgrade athletic fields Resurface tennis courts  Site Work Subtotal  CTIONAL TECHNOLOGY EQUIPMENT Inputers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 1 Technology equipment - Series 2	1 1 1 1 1 1 : : : : : : : : : : : : : :	allo allo allo Is Is ea ea ea ea ea Is Is	20,000.00  7,500.00 20,100.00  60,000.00 75,000.00  1,000.00 650.00 1,000.00 34,500.00 650.00 395,000.00 170,150.00	\$20,000 \$20,000 \$7,500 \$20,100 \$60,000 \$75,000 \$202,600 \$49,400 \$64,000 \$34,500 \$34,500 \$395,000 \$170,150	\$5,000 \$1,875 \$5,025 \$15,000 \$18,750 \$19,000 \$12,350 \$16,000 \$8,625 \$170,625 \$39,500 \$17,015	\$9,375 \$25,125 \$75,000 \$93,750 \$95,000 \$61,750 \$80,000 \$43,125 \$853,125 \$187,165	Problems at auto drop off area baseball and soccer nets and fencing \$253,250  Replace laptops only, use existing cart Based on 2013 enrollment +5%
Infrastructure Demo modular building and restoration Improve site furnishings Paving Replace site concrete Repave parking and drives fields (playground/athletics) Upgrade athletic fields Resurface tennis courts  Site Work Subtotal  CTIONAL TECHNOLOGY EQUIPMENT Inputers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace student aptop carts Mobile devices for students (does not include cart) Technology equipment - Series 1 Technology equipment - Series 2 Technology equipment - Series 3	1 1 1 1 1 1 1 ::	allo allo allo Is Is ea ea ea ea ea is	20,000.00  7,500.00 20,100.00  60,000.00 75,000.00  1,000.00 650.00 1,000.00 34,500.00 650.00 395,000.00	\$20,000 \$20,000 \$7,500 \$20,100 \$60,000 \$75,000 \$202,600 \$76,000 \$49,400 \$64,000 \$34,500 \$682,500 \$395,000	\$5,000 \$1,875 \$5,025 \$15,000 \$18,750 \$19,000 \$12,350 \$16,000 \$8,625 \$170,625 \$39,500	\$9,375 \$25,125 \$75,000 \$93,750 \$95,000 \$61,750 \$80,000 \$43,125 \$853,125 \$533,250	Problems at auto drop off area baseball and soccer nets and fencing \$253,250  Replace laptops only, use existing cart Based on 2013 enrollment +5%
Infrastructure Demo modular building and restoration Improve site furnishings Paving Replace site concrete Repave parking and drives fields (playground/athletics) Upgrade athletic fields Resurface tennis courts  Site Work Subtotal  CTIONAL TECHNOLOGY EQUIPMENT Inputers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 1 Technology equipment - Series 2 Technology equipment - Series 3 Isroom Technologies	1 1 1 1 1 1 ::	allo allo allo Is Is ea ea ea ea Is Is	20,000.00  7,500.00 20,100.00  60,000.00 75,000.00  1,000.00 34,500.00 650.00 395,000.00 170,150.00 220,025.00	\$20,000 \$20,000 \$7,500 \$20,100 \$60,000 \$75,000 \$202,600 \$76,000 \$49,400 \$64,000 \$34,500 \$682,500 \$395,000 \$170,150 \$440,050	\$5,000 \$1,875 \$5,025 \$15,000 \$18,750 \$19,000 \$12,350 \$16,000 \$8,625 \$170,625 \$39,500 \$17,015 \$44,005	\$9,375 \$25,125 \$75,000 \$93,750 \$95,000 \$61,750 \$80,000 \$43,125 \$853,125 \$187,165 \$484,055	Problems at auto drop off area baseball and soccer nets and fencing \$253,250  Replace laptops only, use existing cart Based on 2013 enrollment +5%
DRK  Infrastructure Demo modular building and restoration Improve site furnishings  Paving Replace site concrete Repave parking and drives  fields (playground/athletics) Upgrade athletic fields Resurface tennis courts  Site Work Subtotal  CTIONAL TECHNOLOGY EQUIPMENT  Inputers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 1 Technology equipment - Series 2 Technology equipment - Series 3  Install classroom/lab projectors	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	allo allo allo Is Is ea ea ea ea is Is Is	20,000.00  7,500.00 20,100.00  60,000.00 75,000.00  1,000.00 650.00 1,000.00 34,500.00 650.00 395,000.00 170,150.00 220,025.00	\$20,000 \$20,000 \$7,500 \$20,100 \$60,000 \$75,000 \$202,600 \$49,400 \$64,000 \$34,500 \$395,000 \$170,150 \$440,050	\$5,000 \$1,875 \$5,025 \$15,000 \$18,750 \$19,000 \$12,350 \$16,000 \$8,625 \$170,625 \$39,500 \$17,015 \$44,005	\$9,375 \$25,125 \$75,000 \$93,750 \$95,000 \$61,750 \$80,000 \$43,125 \$853,125 \$137,250	Problems at auto drop off area baseball and soccer nets and fencing \$253,250  Replace laptops only, use existing cart Based on 2013 enrollment +5%
DRK  Infrastructure Demo modular building and restoration Improve site furnishings  Paving Replace site concrete Repave parking and drives  ffields (playground/athletics) Upgrade athletic fields Resurface tennis courts  Site Work Subtotal  CTIONAL TECHNOLOGY EQUIPMENT  Inputers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 1 Technology equipment - Series 2 Technology equipment - Series 3  Install classroom/lab projectors Install sound field amplification	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	allo allo allo ls	20,000.00  7,500.00 20,100.00  60,000.00 75,000.00  1,000.00 650.00 34,500.00 650.00 395,000.00 170,150.00 220,025.00  1,800.00 1,250.00	\$20,000 \$20,000 \$7,500 \$20,100 \$60,000 \$75,000 \$202,600 \$49,400 \$64,000 \$34,500 \$395,000 \$170,150 \$440,050	\$5,000 \$1,875 \$5,025 \$15,000 \$18,750 \$19,000 \$12,350 \$16,000 \$8,625 \$170,625 \$39,500 \$17,015 \$44,005	\$9,375 \$25,125 \$75,000 \$93,750 \$93,750 \$95,000 \$61,750 \$80,000 \$43,125 \$853,125 \$187,165 \$484,055 \$137,250 \$95,313	Problems at auto drop off area baseball and soccer nets and fencing \$253,250  Replace laptops only, use existing cart Based on 2013 enrollment +5%
Infrastructure  Demo modular building and restoration Improve site furnishings  Paving Replace site concrete Repave parking and drives  rfields (playground/athletics)  Upgrade athletic fields Resurface tennis courts	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	allo allo allo Is Is ea ea ea ea is Is Is	20,000.00  7,500.00 20,100.00  60,000.00 75,000.00  1,000.00 650.00 1,000.00 34,500.00 650.00 395,000.00 170,150.00 220,025.00	\$20,000 \$20,000 \$7,500 \$20,100 \$60,000 \$75,000 \$202,600 \$49,400 \$64,000 \$34,500 \$395,000 \$170,150 \$440,050	\$5,000 \$1,875 \$5,025 \$15,000 \$18,750 \$19,000 \$12,350 \$16,000 \$8,625 \$170,625 \$39,500 \$17,015 \$44,005	\$9,375 \$25,125 \$75,000 \$93,750 \$95,000 \$61,750 \$80,000 \$43,125 \$853,125 \$137,250	Problems at auto drop off area baseball and soccer nets and fencing \$253,250  Replace laptops only, use existing cart Based on 2013 enrollment +5%



MIDLAND PUBLIC SCHOOLS

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

District Wide Facility Assessment

Northeast Middle School

1305 E. Sugnet Rd., Midland MI 48642

Building Project Work List

Site Size: 13.000

egory				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Sei
NITURE, 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
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	\$7,727,209 check#
Notes:		<u></u>
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

9 thru 12 enrollment: x

Henry Henr

ing Project Work List						Site Size:	67.000	
jory Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	S
CONSTRUCTION								
ddition								
Secure Entrance Office Addition	2,000	sf	192.00	\$384,000	\$96,000	\$480,000		
New Construction Subtotal:	2,000		192.00	\$384,000			\$480,000	
HITECTURAL WORK				_	_	_		_
suilding Envelope								
Replace doors, frames and hardware	150	ea	3,000.00	\$450,000	\$112,500	\$562,500		
Replace glazing systems	15,000	sf	60.00	\$900,000	\$225,000	\$1,125,000		
nterior Construction								
Replace visual display boards	25	ea	2,500.00	\$62,500	\$15,625	¢78 125	chalk to marker	
Replace toilet partitions & accessories	20	ea	2,500.00	\$50,000	\$12,500		metal to plastic	:
Replace gym lockers	500	ea	125.00	\$62,500	\$15,625	\$78,125	motal to places	
Replace folding wall	1	ea	50,000.00	\$50,000	\$12,500		cafeteria	
Replace fixed seating - auditorium	500	ea	160.00	\$80,000	\$20,000	\$100,000	ourotoria .	
Replace fixed seating - bleachers	500	ea	115.00	\$57,500	\$14,375		pool-wood	
Renovate Media Center	1	Is	180,000.00	\$180,000	\$45,000		layout for Learn Lab	
Renovate science labs	3	ea	125,000.00	\$375,000	\$93,750		casework, sinks, flooring	
Renovations to connect to addition	2,000	ea	5.00	\$10,000	\$2,500	\$12,500	, ,	
Architectural Work Subtotal:				\$2,277,500			\$2,846,875	
HANICAL WORK	_			_	_	_		_
Plumbing			60 000 00	<b>\$60,000</b>	¢45.000	<b>#75.000</b>		
New Pool heater (eliminate need to run boilers) Replace galvanized domestic water piping	3,000	ea LF	60,000.00 40.00	\$60,000 \$120,000	\$15,000 \$30,000	\$75,000 \$150,000		2
New Dom Water heater for locker rooms (eliminate need to	3,000	ea	15,000.00	\$15,000	\$30,000	\$18,750		:
·		Ca	13,000.00	ψ10,000	ψ5,750	ψ10,730		•
I.V.A.C.	4.4		00 000 00	0.400.000	0405.000	<b>A</b> 505 000		
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		(7.5 Tons)	
Add AC to Tech Closet	2	ea	10,000.00	\$20,000	\$5,000		IDF 5 and gym IDF	-
Add cooling coil to Gym Air Handling Unit	1	ea	5,000.00	\$5,000	\$1,250		(pipe is already there)	2
Replace Cabinet Unit Heaters	20 20	ea	5,000.00	\$100,000	\$25,000	\$125,000 \$100,000		:
Replace Exhaust Fans New outdoor dust collector	20	ea	4,000.00 35,000.00	\$80,000 \$35,000	\$20,000 \$8,800	\$100,000 \$52,550		:
INEM OUTDOOL DOST COLLECTOL	1	ea	33,000.00	φ35,000	φο,ουυ	<b>ა</b> ნ2,ე50		•
emperature Controls								
Replace all pneumatic controls with Digital	276,104	SF	2.25	\$621,200	\$155,300	\$776,500		
Mechanical Work Subtotal:				\$1,501,200			\$1,885,300	
CTRICAL WORK								
Electrical-Power								
Add electrical to support technology	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		:
ighting								
Upgrade Site Lighting	1	ls	280,000.00	\$280,000	\$70,000	\$350,000		
Upgrade Exterior building mounted Lighting	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		
Add Exterior Emergency Egress Lighting	1	ls	25,000.00	\$25,000	\$6,250	\$37,300		
Add Occupancy Sensors	1	LS	14,000.00	\$14,000	\$3,500	\$31,230 \$17,500		:
Upgrade Theater House Lights	1	ls	20,000.00					
Provide Emergency Power to Pool Pump	1	ls Is	40,000.00	\$20,000 \$40,000	\$5,000 \$10,000	\$25,000 \$50,000		
i Tovide Emergency Fower to Foot Fullip		15	40,000.00	$\phi + U, UUU$	φ ι υ,υυυ	\$50,000		2



MIDLAND PUBLIC SCHOOLS

Date: 10/1/2014 site visit: 7/2/2014

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

Penrollment: x

Building Size: 276,104 capacity: x

Site Size: 67.000

gory Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Ser
HNOLOGY 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  Refresh/expand servers/management tools series 2	1	ls	100,000.00	\$100,000	\$25,000	\$125,000		2
Nellesil/expand servers/management tools series 2	1	allo	50,000.00	\$50,000	\$12,500	\$62,500		4
Clock System								
Replace clock system	1	Is	30,000.00	\$30,000	\$7,500	\$37,500		:
Security								
Video surveillance	1	ls	65,000.00	\$65,000	\$16,250	\$81,250		
Expand access control	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		
Install district-wide PA system	1	ls	55,000.00	\$55,000	\$13,750	\$68,750		:
Technology Infrastructure Subtotal:				\$884,575			\$1,105,719	
Remodeling Subtotal:				\$5,082,275				
WORK								
Site Infrastructure								
Demo modular Building	3		10,000.00	\$30,000	\$7,500	\$37,500		
Remove and replace fencing	1	allo	10,000.00	\$10,000	\$2,500	\$12,500	Install two gates to control access	- :
						0407 500		
Improve site furnishings	1	allo	150,000.00	\$150,000	\$37,500		bike racks, flag pole, fencing	
Improve site grading / landscaping	1	allo	50,000.00	\$50,000	\$12,500	\$62,500	bike racks, flag pole, fencing Additional storm sewer detention area	:
								:
Improve site grading / landscaping Site Work for Addition Site Paving	1 2,000	allo sf	50,000.00 8.00	\$50,000 \$16,000	\$12,500 \$4,000	\$62,500 \$20,000	Additional storm sewer detention area	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete	1 2,000 48,200	allo sf SF	50,000.00 8.00 6.00	\$50,000 \$16,000 \$289,200	\$12,500 \$4,000 \$72,300	\$62,500 \$20,000 \$361,500		:
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter	1 2,000	allo sf SF LF	50,000.00 8.00 6.00 20.00	\$50,000 \$16,000 \$289,200 \$20,000	\$12,500 \$4,000 \$72,300 \$5,000	\$62,500 \$20,000 \$361,500 \$25,000	Additional storm sewer detention area	:
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb	1 2,000 48,200 1,000	allo sf SF LF allo	50,000.00 8.00 6.00 20.00 3,000.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000	\$12,500 \$4,000 \$72,300 \$5,000 \$750	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750	Additional storm sewer detention area  Remove concrete, re-grade, eliminate step	:
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter	1 2,000 48,200	allo sf SF LF	50,000.00 8.00 6.00 20.00	\$50,000 \$16,000 \$289,200 \$20,000	\$12,500 \$4,000 \$72,300 \$5,000	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750	Additional storm sewer detention area	:
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb	1 2,000 48,200 1,000	allo sf SF LF allo	50,000.00 8.00 6.00 20.00 3,000.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000	\$12,500 \$4,000 \$72,300 \$5,000 \$750	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750	Additional storm sewer detention area  Remove concrete, re-grade, eliminate step	:
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area	1 2,000 48,200 1,000	allo sf  SF  LF  allo  ksf	6.00 20.00 3,000.00 2,500.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000 \$972,500	\$12,500 \$4,000 \$72,300 \$5,000 \$750 \$243,125	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750 \$1,215,625	Additional storm sewer detention area  Remove concrete, re-grade, eliminate step	:
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb Repave parking and drives  Playfields (playground/athletics)	1 2,000 48,200 1,000 1 389	allo sf SF LF allo ksf	6.00 20.00 3,000.00 2,500.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000 \$972,500	\$12,500 \$4,000 \$72,300 \$5,000 \$750 \$243,125	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750 \$1,215,625	Additional storm sewer detention area  Remove concrete, re-grade, eliminate step  Regrading, reconstructing for step remova	:
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area	48,200 1,000 1 389	allo sf  SF  LF  allo  ksf	6.00 20.00 3,000.00 2,500.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000 \$972,500	\$12,500 \$4,000 \$72,300 \$5,000 \$750 \$243,125	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750 \$1,215,625	Additional storm sewer detention area  Remove concrete, re-grade, eliminate step  Regrading, reconstructing for step remova  athletic support building	:
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area Resurface tennis courts  Site Work Subtotal:	48,200 1,000 1 389	allo sf  SF  LF  allo  ksf	6.00 20.00 3,000.00 2,500.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000 \$972,500 \$160,000 \$100,000	\$12,500 \$4,000 \$72,300 \$5,000 \$750 \$243,125	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750 \$1,215,625	Additional storm sewer detention area  Remove concrete, re-grade, eliminate step  Regrading, reconstructing for step remova  athletic support building nets and fencing	:
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area Resurface tennis courts  Site Work Subtotal:	48,200 1,000 1 389	allo sf  SF  LF  allo  ksf	6.00 20.00 3,000.00 2,500.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000 \$972,500 \$160,000 \$100,000	\$12,500 \$4,000 \$72,300 \$5,000 \$750 \$243,125	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750 \$1,215,625	Additional storm sewer detention area  Remove concrete, re-grade, eliminate step  Regrading, reconstructing for step remova  athletic support building nets and fencing	:
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area Resurface tennis courts  Site Work Subtotal:  Computers and Mobile Devices	1 2,000 48,200 1,000 1 389	allo sf  SF LF allo ksf	50,000.00 8.00 6.00 20.00 3,000.00 2,500.00 160,000.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000 \$972,500 \$160,000 \$100,000 \$1,800,700	\$12,500 \$4,000 \$72,300 \$5,000 \$750 \$243,125 \$40,000 \$25,000	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750 \$1,215,625 \$200,000 \$125,000	Additional storm sewer detention area  Remove concrete, re-grade, eliminate step  Regrading, reconstructing for step remova  athletic support building nets and fencing	:
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT	1 2,000 48,200 1,000 1 389 1 1	allo sf  SF LF allo ksf  Is allo	6.00 20.00 3,000.00 2,500.00 160,000.00 1,000.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000 \$972,500 \$160,000 \$100,000 \$1,800,700	\$12,500 \$4,000 \$72,300 \$5,000 \$750 \$243,125 \$40,000 \$25,000	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750 \$1,215,625 \$200,000 \$125,000	Additional storm sewer detention area  Remove concrete, re-grade, eliminate step  Regrading, reconstructing for step remova  athletic support building nets and fencing	:
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff	1 2,000 48,200 1,000 1 389 1 1 1 1	allo sf  SF LF allo ksf	50,000.00 8.00 6.00 20.00 3,000.00 2,500.00 160,000.00 100,000.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000 \$972,500 \$160,000 \$100,000 \$1,800,700	\$12,500 \$4,000 \$72,300 \$5,000 \$750 \$243,125 \$40,000 \$25,000 \$28,750 \$18,688	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750 \$1,215,625 \$200,000 \$125,000 \$143,750 \$93,438	Additional storm sewer detention area  Remove concrete, re-grade, eliminate step  Regrading, reconstructing for step remova  athletic support building nets and fencing	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops	1 2,000 48,200 1,000 1 389 1 1	allo sf  SF LF allo ksf Is allo	6.00 20.00 3,000.00 2,500.00 160,000.00 1,000.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000 \$972,500 \$160,000 \$100,000 \$1,800,700	\$12,500 \$4,000 \$72,300 \$5,000 \$750 \$243,125 \$40,000 \$25,000	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750 \$1,215,625 \$200,000 \$125,000	Additional storm sewer detention area  Remove concrete, re-grade, eliminate step  Regrading, reconstructing for step remova  athletic support building nets and fencing	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops	1 2,000 48,200 1,000 1 389 1 1 1 1 115 115 320	allo sf  SF LF allo ksf  Is allo ea ea ea	50,000.00 8.00 20.00 3,000.00 2,500.00 160,000.00 100,000.00 1,000.00 650.00 1,000.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000 \$972,500 \$160,000 \$100,000 \$1,800,700 \$115,000 \$74,750 \$320,000	\$12,500 \$4,000 \$72,300 \$5,000 \$750 \$243,125 \$40,000 \$25,000 \$28,750 \$18,688 \$80,000	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750 \$1,215,625 \$200,000 \$125,000 \$143,750 \$93,438 \$400,000 \$173,250	Additional storm sewer detention area  Remove concrete, re-grade, eliminate step  Regrading, reconstructing for step remova  athletic support building nets and fencing	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace lab workstations (CAD, arts, video production)	1 2,000 48,200 1,000 1 389 1 1 1 1 115 115 320 77	allo sf  SF LF allo ksf  Is allo  ea ea ea ea ea ea	50,000.00 8.00 20.00 3,000.00 2,500.00 160,000.00 100,000.00 1,000.00 1,000.00 1,000.00 1,800.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000 \$972,500 \$160,000 \$100,000 \$1,800,700 \$1,5000 \$74,750 \$320,000 \$138,600	\$12,500 \$4,000 \$72,300 \$5,000 \$750 \$243,125 \$40,000 \$25,000 \$28,750 \$18,688 \$80,000 \$34,650	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750 \$1,215,625 \$200,000 \$125,000 \$143,750 \$93,438 \$400,000 \$173,250	Additional storm sewer detention area  Remove concrete, re-grade, eliminate ster  Regrading, reconstructing for step remova  athletic support building nets and fencing  \$2,250,875	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace lab workstations (CAD, arts, video production) Replace student laptop carts	1 2,000 48,200 1,000 1 389 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	allo sf  SF LF allo ksf  Is allo  ea ea ea ea ea ea ea	50,000.00 8.00 20.00 3,000.00 2,500.00 160,000.00 100,000.00 1,000.00 1,000.00 1,800.00 34,500.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000 \$972,500 \$160,000 \$100,000 \$1,800,700 \$1,800,700 \$14,750 \$320,000 \$138,600 \$138,000	\$12,500 \$4,000 \$72,300 \$5,000 \$750 \$243,125 \$40,000 \$25,000 \$28,750 \$18,688 \$80,000 \$34,650 \$34,500	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750 \$1,215,625 \$200,000 \$125,000 \$143,750 \$93,438 \$400,000 \$173,250 \$1,100,938	Additional storm sewer detention area  Remove concrete, re-grade, eliminate ster  Regrading, reconstructing for step remova  athletic support building nets and fencing  \$2,250,875  Replace laptops only, reuse existing cart	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace lab workstations (CAD, arts, video production) Replace student laptop carts Mobile devices for students (does not include cart)	1 2,000 48,200 1,000 1 389 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	allo sf  SF LF allo ksf  Is allo  ea ea ea ea ea ea ea ea	1,000.00 650.00 3,000.00 1,800.00 1,800.00 34,500.00 650.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000 \$972,500 \$160,000 \$100,000 \$1,800,700 \$14,750 \$320,000 \$138,600 \$138,000 \$880,750	\$12,500 \$4,000 \$72,300 \$5,000 \$750 \$243,125 \$40,000 \$25,000 \$28,750 \$18,688 \$80,000 \$34,650 \$34,500 \$220,188	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750 \$1,215,625 \$200,000 \$125,000 \$143,750 \$93,438 \$400,000 \$173,250 \$1,100,938 \$782,760	Additional storm sewer detention area  Remove concrete, re-grade, eliminate step  Regrading, reconstructing for step remova  athletic support building nets and fencing  \$2,250,875  Replace laptops only, reuse existing cart Based on 2013 enrollment +5%	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace lab workstations (CAD, arts, video production) Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3  Classroom Technologies	11 2,000 48,200 1,000 1 389 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	allo sf  SF LF allo ksf  Is allo  ea ea ea ea ea ea ls	50,000.00 8.00 6.00 20.00 3,000.00 2,500.00 160,000.00 100,000.00 1,000.00 1,000.00 1,800.00 34,500.00 650.00 711,600.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000 \$972,500 \$160,000 \$100,000 \$1,800,700 \$74,750 \$320,000 \$138,600 \$138,600 \$138,000 \$880,750 \$711,600	\$12,500 \$4,000 \$72,300 \$5,000 \$750 \$243,125 \$40,000 \$25,000 \$28,750 \$18,688 \$80,000 \$34,650 \$34,500 \$220,188 \$71,160	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750 \$1,215,625 \$200,000 \$125,000 \$143,750 \$93,438 \$400,000 \$173,250 \$1,100,938 \$782,760	Remove concrete, re-grade, eliminate step Regrading, reconstructing for step remova athletic support building nets and fencing \$2,250,875  Replace laptops only, reuse existing cart Based on 2013 enrollment +5% Refresh of computers	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace lab workstations (CAD, arts, video production) Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3	11 2,000 48,200 1,000 1 389 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	allo sf  SF LF allo ksf  Is allo  ea ea ea ea ea ea ls	50,000.00 8.00 6.00 20.00 3,000.00 2,500.00 160,000.00 100,000.00 1,000.00 1,000.00 1,800.00 34,500.00 650.00 711,600.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000 \$972,500 \$160,000 \$100,000 \$1,800,700 \$74,750 \$320,000 \$138,600 \$138,600 \$138,000 \$880,750 \$711,600	\$12,500 \$4,000 \$72,300 \$5,000 \$750 \$243,125 \$40,000 \$25,000 \$28,750 \$18,688 \$80,000 \$34,650 \$34,500 \$220,188 \$71,160	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750 \$1,215,625 \$200,000 \$125,000 \$143,750 \$93,438 \$400,000 \$173,250 \$1,100,938 \$782,760	Remove concrete, re-grade, eliminate step Regrading, reconstructing for step remova athletic support building nets and fencing \$2,250,875  Replace laptops only, reuse existing cart Based on 2013 enrollment +5% Refresh of computers	
Improve site grading / landscaping Site Work for Addition  Site Paving Replace site concrete Remove and replace 24" curb and gutter Asphalt curb Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace student / lab desktops Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3  Classroom Technologies Install classroom/lab projectors Install sound field amplification	112,000 48,200 1,000 1 389 1 1 1 1 115 115 320 77 4 1,355 1 2	allo sf  SF LF allo ksf  Is allo  ea ea ea ea ea ls ls	1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,800.00 1,800.00 294,937.50 1,800.00 1,800.00 1,800.00 1,800.00	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000 \$972,500 \$160,000 \$100,000 \$1,800,700 \$1,800,700 \$138,600 \$138,000 \$138,000 \$589,875 \$176,400 \$122,500	\$12,500 \$4,000 \$72,300 \$5,000 \$750 \$243,125 \$40,000 \$25,000 \$28,750 \$18,688 \$80,000 \$34,650 \$34,500 \$220,188 \$71,160 \$58,988	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750 \$1,215,625 \$200,000 \$125,000 \$143,750 \$93,438 \$400,050 \$173,250 \$1,100,938 \$782,760 \$648,863	Remove concrete, re-grade, eliminate step Regrading, reconstructing for step remova athletic support building nets and fencing \$2,250,875  Replace laptops only, reuse existing cart Based on 2013 enrollment +5% Refresh of computers	
Improve site grading / landscaping Site Work for Addition  Site Paving  Replace site concrete Remove and replace 24" curb and gutter Asphalt curb Repave parking and drives  Playfields (playground/athletics) Improve playground / playfield area Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace lab workstations (CAD, arts, video production) Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3  Classroom Technologies Install classroom/lab projectors	11 2,000 48,200 1,000 1 389 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	allo sf  SF LF allo ksf  Is allo  ea ea ea ea ea ls Is	6.00 20.00 3,000.00 2,500.00 160,000.00 100,000.00 1,000.00 1,800.00 650.00 711,600.00 294,937.50	\$50,000 \$16,000 \$289,200 \$20,000 \$3,000 \$972,500 \$160,000 \$100,000 \$1,800,700 \$14,750 \$320,000 \$138,600 \$138,600 \$138,600 \$171,600 \$589,875	\$12,500 \$4,000 \$72,300 \$5,000 \$750 \$243,125 \$40,000 \$25,000 \$28,750 \$18,688 \$80,000 \$34,650 \$34,500 \$220,188 \$71,160 \$58,988	\$62,500 \$20,000 \$361,500 \$25,000 \$3,750 \$1,215,625 \$200,000 \$125,000 \$143,750 \$93,438 \$400,000 \$173,250 \$1,100,938 \$782,760 \$648,863	Remove concrete, re-grade, eliminate step Regrading, reconstructing for step remova athletic support building nets and fencing \$2,250,875  Replace laptops only, reuse existing cart Based on 2013 enrollment +5% Refresh of computers	



MIDLAND PUBLIC SCHOOLS

Date: 10/1/2014 site visit: 7/2/2014

District Wide Facility Assessment

H.H. Dow High School

3901 N. Saginaw Rd., Midland, MI 48640

Building Project Work List

Site Size: 67.000

tegory				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series
RNITURE, FURNISHINGS, EQUIPMENT	_	_	_	_	_	_		_
,								
Technology - Copiers/Printers/POS	14		600.00	00.400	<b>60.400</b>	640.500		
Replace BW printers		ea		\$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
	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	\$13,935,778 check#
Notes:			
Indirect costs include; contingency, general conditions & p	rofessional 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

Site Size: 9 thru 12 enrollment: x

enrollment: x

enrollment: x

enrollment: x

enrollment: x

enrollment: x

site size: 295,752 capacity: x

Description  RCHITECTURAL WORK  Environmental	Qty	Unit	Unit Oast	Direct	Indirect	Total	Notes /	
			Unit Cost	Cost	Costs	Estimate	Subtotals	Series
<u>Environmental</u>								
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
		ano	3,000.00	ψ5,000	ψ1,230	ψ0,230	Noor overnow dadding concrete to heave	2
Interior Construction								
Replace flooring	10,000	sf	4.25	\$42,500	\$10,625		corridor VAT	2
Replace visual display boards	50	ea	2,500.00	\$125,000	\$31,250		chalk to marker	2
Replace toilet partitions & accessories	20	ea	2,500.00	\$50,000	\$12,500		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	ani ain al la calda canda	2
Replace gym equipment	8	ea	2,500.00	\$20,000	\$5,000		original backboards	2
Replace fixed seating - auditorium	500	ea	160.00	\$80,000	\$20,000	\$100,000		2
Replace elevator	2 000	ls of	75,000.00	\$75,000	\$18,750	\$93,750	reignt	2 1
Modify lobby to create secure entrance Renovate Media Center	2,000	sf	100.00	\$200,000	\$50,000	\$250,000	lavorit for Loom Lab	
Renovate locker rooms	•	ls	180,000.00	\$180,000	\$45,000 \$410,500		layout for Learn Lab	2
Renovate science labs	6,000	sf ea	75.00 125,000.00	\$450,000 \$375,000	\$112,500 \$93,750	\$562,500 \$468,750	layout, lockers, flooring casework, sinks, flooring	2 2
	3	Ca	123,000.00		φ93,730	\$400,730	•	2
Architectural Work Subtotal:				\$1,830,000			\$2,287,500	
ECHANICAL 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.	4.500		50.00	475.000	440.750	400 750		
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	IDE (1 004)   LIDE (1 0044)	2
Add AC to Tech Closet	2	ea	10,000.00	\$20,000	\$5,000		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	
ECTRICAL WORK								
<u>Electrical-Power</u>			40.000.00	*40.000	40.500	040 500		
Add electrical to support technology	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		2
Lighting								
	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		2
Upgrade Gym Lighting	1	ls	250,000.00	\$250,000	\$62,500	\$312,500		2
Upgrade Gym Lighting Upgrade Site Lighting		la.	22,000.00	\$22,000	\$5,500	\$27,500		2
	1	ls						
Upgrade Site Lighting	1	ls	12,000.00	\$12,000	\$3,000	\$15,000		2
Upgrade Site Lighting Upgrade Exterior building mounted Lighting				\$12,000 \$14,000	\$3,000 \$3,500	\$15,000 \$17,500		2 2
Upgrade Site Lighting Upgrade Exterior building mounted Lighting Add Exterior Emergency Egress Lighting	1	ls	12,000.00					
Upgrade Site Lighting Upgrade Exterior building mounted Lighting Add Exterior Emergency Egress Lighting Add Occupancy Sensors	1 1	ls Is	12,000.00 14,000.00	\$14,000	\$3,500	\$17,500		2
Upgrade Site Lighting Upgrade Exterior building mounted Lighting Add Exterior Emergency Egress Lighting Add Occupancy Sensors Football Field Lighting Control Upgrade Add power receptacles around track	1 1 1	ls Is	12,000.00 14,000.00 8,000.00 10,000.00	\$14,000 \$8,000 \$10,000	\$3,500 \$2,000 \$2,500	\$17,500 \$10,000 \$12,500		2
Upgrade Site Lighting Upgrade Exterior building mounted Lighting Add Exterior Emergency Egress Lighting Add Occupancy Sensors Football Field Lighting Control Upgrade	1 1 1	Is Is Is	12,000.00 14,000.00 8,000.00	\$14,000 \$8,000	\$3,500 \$2,000	\$17,500 \$10,000		2 2 2

**Electrical Work Subtotal:** 

\$371,000

\$463,750



MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Grades: 9 thru 12 enrollment: x
Midland High School
Year Built: 1955 (Music room & aux. gym in 2006)
1301 Eastlawn, Midland, MI 48642
Building Project Work List
Site Size: 39.000

ry							
	-			Direct	Indirect	Total	Notes /
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals
NOLOGY INFRASTRUCTURE							
abling Infrastructure							
Remove Category 5 and/or supporting legacy cabling	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	
Fiber backbone to IDFs for 10G	8	ea	2,500.00	\$20,000	\$5,000	\$25,000	
Replace voice/data structured cabling	1	allo 	180.00	\$180	\$45	\$225	
Additional voice/data structured cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500	
Allowance for cabling to support series 2 needs	ļ	allo	10,000.00	\$10,000	\$2,500	\$12,500	
letwork / Wireless / Phone			00 500 00	000 500	<b>07.105</b>	005.005	
Replace network infr building core	1 50	ea ea	28,500.00 4,200.00	\$28,500 \$210,000	\$7,125 \$52,500	\$35,625	Based on existing plus 1 per closet growth
Replace network infr edge switches  Replace UPS in each telecommunication room	9	ea	3,000.00	\$27,000	\$6,750	\$33,750	based off existing plus 1 per closet growth
Network infrastructure for Series 1 needs	1	ls	66,375.00	\$66,375	\$16,594	\$82,969	
Replace wireless infrastructure	135	ea	950.00	\$128,250	\$32,063	\$19	
Replace phone system	1	ls	45,000.00	\$45,000	\$11,250	\$56,250	
clock System							
Replace clock system	1	ls	30,000.00	\$30,000	\$7,500	\$37,500	
ecurity							
Video surveillance	1	ls	65,000.00	\$65,000	\$16,250	\$81,250	
Expand access control	1	ls	25,000.00	\$25,000	\$6,250	\$31,250	
Install district-wide PA system	1	ls	55,000.00	\$55,000	\$13,750	\$68,750	
Technology Infrastructure Subtotal:				\$735,305			\$758,838
Remodeling Subtotal:				\$4,087,705			
WORK							
ite Infrastructure							
Remove and replace fencing	1	allo	50,000.00	\$50,000	\$12,500	\$62,500	Remove guardrail and fence at East parkir
Improve site furnishings	1	allo	150,000.00	\$150,000	\$37,500		bike racks, flag pole, fencing
Improve site grading / landscaping	1	allo	100,000.00	\$100,000	\$25,000	\$125,000	Remove NW corner of East P.L. (580 SY),
te Paving							
Replace site concrete	1	allo	25,000.00	\$25,000	\$6,250	\$31,250	4100 sf of concrete walk
Replace site concrete (deep strength)	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	700 sf concrete service area
Repave parking and drives	266	ksf	2,500.00	\$665,000	\$166,250		Remove/Replace paving in East and SW F
Improve traffic control issues	1	allo	30,000.00	\$30,000	\$7,500	\$37,500	Traffic issues at Parent Drop Off area
layfields (playground/athletics)							
Resurface track	1	allo	75,000.00				
			•	\$75,000	\$18,750	\$93,750	
Improve playground / playfield area	1	ls	545,000.00	\$545,000	\$136,250	\$681,250	athletic support building, press box, bleach
Replace football field turf	1	allo	545,000.00 900,000.00	\$545,000 \$900,000	\$136,250 \$225,000	\$681,250 \$1,125,000	synthetic turf
			545,000.00	\$545,000	\$136,250	\$681,250 \$1,125,000	
Replace football field turf	1	allo	545,000.00 900,000.00	\$545,000 \$900,000	\$136,250 \$225,000	\$681,250 \$1,125,000	synthetic turf
Replace football field turf Resurface tennis courts	1	allo	545,000.00 900,000.00	\$545,000 \$900,000 \$250,000	\$136,250 \$225,000	\$681,250 \$1,125,000	synthetic turf 8 courts, remove and replace nets and pos
Replace football field turf Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT	1	allo	545,000.00 900,000.00	\$545,000 \$900,000 \$250,000	\$136,250 \$225,000	\$681,250 \$1,125,000	synthetic turf 8 courts, remove and replace nets and pos
Replace football field turf Resurface tennis courts  Site Work Subtotal:	1	allo	545,000.00 900,000.00	\$545,000 \$900,000 \$250,000	\$136,250 \$225,000	\$681,250 \$1,125,000	synthetic turf 8 courts, remove and replace nets and pos
Replace football field turf Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  computers and Mobile Devices	1 1	allo allo	545,000.00 900,000.00 250,000.00	\$545,000 \$900,000 \$250,000 \$2,805,000	\$136,250 \$225,000 \$62,500	\$681,250 \$1,125,000 \$312,500	synthetic turf 8 courts, remove and replace nets and pos
Replace football field turf Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  omputers and Mobile Devices Replace teacher/staff laptops	1 1 1 117	allo allo ea	545,000.00 900,000.00 250,000.00	\$545,000 \$900,000 \$250,000 \$2,805,000 \$1117,000	\$136,250 \$225,000 \$62,500 \$429,250	\$681,250 \$1,125,000 \$312,500 \$146,250	synthetic turf 8 courts, remove and replace nets and pos
Replace football field turf Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  omputers and Mobile Devices  Replace teacher/staff laptops  Mobile devices for teachers/staff	1 1 117 117	allo allo ea ea	545,000.00 900,000.00 250,000.00 1,000.00 650.00	\$545,000 \$900,000 \$250,000 \$2,805,000 \$1117,000 \$76,050	\$136,250 \$225,000 \$62,500 \$62,500 \$29,250 \$19,013	\$681,250 \$1,125,000 \$312,500 \$146,250 \$95,063	synthetic turf 8 courts, remove and replace nets and pos
Replace football field turf Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops  Mobile devices for teachers/staff Replace student / lab desktops Replace lab workstations (CAD, arts, video production) Replace student laptop carts	117 117 117 320 77 4	allo allo ea ea ea	1,000.00 650.00 1,800.00 34,500.00	\$545,000 \$900,000 \$250,000 \$2,805,000 \$117,000 \$76,050 \$320,000 \$138,600 \$138,000	\$136,250 \$225,000 \$62,500 \$42,500 \$29,250 \$19,013 \$80,000 \$34,650 \$34,500	\$681,250 \$1,125,000 \$312,500 \$146,250 \$95,063 \$400,000 \$173,250 \$172,500	synthetic turf 8 courts, remove and replace nets and pos \$3,506,250  Replace laptops only, reuse existing cart
Replace football field turf Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  omputers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace lab workstations (CAD, arts, video production) Replace student laptop carts Mobile devices for students (does not include cart)	117 117 117 320 77 4 1,538	ea ea ea ea ea ea	1,000.00 650.00 1,800.00 34,500.00	\$545,000 \$900,000 \$250,000 \$2,805,000 \$1117,000 \$76,050 \$320,000 \$138,600 \$138,000 \$999,700	\$136,250 \$225,000 \$62,500 \$62,500 \$29,250 \$19,013 \$80,000 \$34,650 \$34,500 \$249,925	\$681,250 \$1,125,000 \$312,500 \$146,250 \$95,063 \$400,000 \$173,250 \$172,500 \$1,249,625	synthetic turf 8 courts, remove and replace nets and pos \$3,506,250  Replace laptops only, reuse existing cart Based on 2013 enrollment +5%
Replace football field turf Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace lab workstations (CAD, arts, video production) Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2	117 117 117 320 77 4 1,538	ea ea ea ea ea ls	1,000.00 650.00 1,800.00 250.00 1,800.00 650.00 713,600.00	\$545,000 \$900,000 \$250,000 \$2,805,000 \$1117,000 \$76,050 \$320,000 \$138,600 \$138,000 \$999,700 \$713,600	\$136,250 \$225,000 \$62,500 \$62,500 \$29,250 \$19,013 \$80,000 \$34,650 \$34,500 \$249,925 \$71,360	\$681,250 \$1,125,000 \$312,500 \$146,250 \$95,063 \$400,000 \$173,250 \$172,500 \$1,249,625 \$784,960	synthetic turf 8 courts, remove and replace nets and pos \$3,506,250  Replace laptops only, reuse existing cart Based on 2013 enrollment +5% Refresh of computers
Replace football field turf Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  computers and Mobile Devices  Replace teacher/staff laptops  Mobile devices for teachers/staff  Replace student / lab desktops  Replace lab workstations (CAD, arts, video production)  Replace student laptop carts  Mobile devices for students (does not include cart)	117 117 117 320 77 4 1,538	ea ea ea ea ea ea	1,000.00 650.00 1,800.00 34,500.00	\$545,000 \$900,000 \$250,000 \$2,805,000 \$1117,000 \$76,050 \$320,000 \$138,600 \$138,000 \$999,700	\$136,250 \$225,000 \$62,500 \$62,500 \$29,250 \$19,013 \$80,000 \$34,650 \$34,500 \$249,925	\$681,250 \$1,125,000 \$312,500 \$146,250 \$95,063 \$400,000 \$173,250 \$172,500 \$1,249,625 \$784,960	synthetic turf 8 courts, remove and replace nets and pos \$3,506,250  Replace laptops only, reuse existing cart Based on 2013 enrollment +5%
Replace football field turf Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace lab workstations (CAD, arts, video production) Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3	117 117 117 320 77 4 1,538 1	ea ea ea ea ea ls ls	1,000.00 650.00 1,800.00 34,500.00 651,950.00	\$545,000 \$900,000 \$250,000 \$2,805,000 \$1117,000 \$76,050 \$320,000 \$138,600 \$138,000 \$999,700 \$713,600 \$651,950	\$136,250 \$225,000 \$62,500 \$62,500 \$19,013 \$80,000 \$34,650 \$34,500 \$249,925 \$71,360 \$65,195	\$681,250 \$1,125,000 \$312,500 \$146,250 \$95,063 \$400,000 \$173,250 \$172,500 \$1,249,625 \$784,960 \$717,145	synthetic turf 8 courts, remove and replace nets and pos \$3,506,250  Replace laptops only, reuse existing cart Based on 2013 enrollment +5% Refresh of computers
Replace football field turf Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops  Mobile devices for teachers/staff Replace student / lab desktops Replace lab workstations (CAD, arts, video production) Replace student laptop carts  Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3  Classroom Technologies Install classroom/lab projectors	117 117 117 320 77 4 1,538 1 1	ea ea ea ea ls ls	1,000.00 650.00 1,800.00 651.950.00 1,800.00	\$545,000 \$900,000 \$250,000 \$250,000 \$1117,000 \$76,050 \$320,000 \$138,600 \$138,000 \$999,700 \$713,600 \$651,950	\$136,250 \$225,000 \$62,500 \$62,500 \$19,013 \$80,000 \$34,650 \$34,500 \$249,925 \$71,360 \$65,195	\$681,250 \$1,125,000 \$312,500 \$146,250 \$95,063 \$400,000 \$173,250 \$172,500 \$1,249,625 \$784,960 \$717,145	synthetic turf 8 courts, remove and replace nets and pos \$3,506,250  Replace laptops only, reuse existing cart Based on 2013 enrollment +5% Refresh of computers
Replace football field turf Resurface tennis courts  Site Work Subtotal:  RUCTIONAL TECHNOLOGY EQUIPMENT  Computers and Mobile Devices Replace teacher/staff laptops Mobile devices for teachers/staff Replace student / lab desktops Replace lab workstations (CAD, arts, video production) Replace student laptop carts Mobile devices for students (does not include cart) Technology equipment - Series 2 Technology equipment - Series 3	117 117 117 320 77 4 1,538 1	ea ea ea ea ea ls ls	1,000.00 650.00 1,800.00 34,500.00 651,950.00	\$545,000 \$900,000 \$250,000 \$2,805,000 \$1117,000 \$76,050 \$320,000 \$138,600 \$138,000 \$999,700 \$713,600 \$651,950	\$136,250 \$225,000 \$62,500 \$62,500 \$19,013 \$80,000 \$34,650 \$34,500 \$249,925 \$71,360 \$65,195	\$681,250 \$1,125,000 \$312,500 \$146,250 \$95,063 \$400,000 \$173,250 \$172,500 \$1,249,625 \$784,960 \$717,145	synthetic turf 8 courts, remove and replace nets and pos \$3,506,250  Replace laptops only, reuse existing cart Based on 2013 enrollment +5% Refresh of computers



MIDLAND PUBLIC SCHOOLS

Date: 10/1/2014 site visit: 7/2/2014

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

Project Work List

Site Size: 39.000

gory Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Seri
IITURE, FURNISHINGS, EQUIPMENT								
echnology - Copiers/Printers/POS								
Replace BW printers	11	ea	600.00	\$6,600	\$1,650	\$8,250		1
Replace color printers	6	Is	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
echnology - 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	Is	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
urniture & 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	\$13,644,155
	Due in at Occation was asset	04 400 040	
	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	\$13,804,448 check#
Notes:			
Indirect costs include; contingency, general conditions & p	rofessional fees		
· · · · · · · · · · · · · · · · · · ·			



MIDLAND PUBLIC SCHOOLS

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

District Wide Facility Assessment

Midland Schools - Administration Office

Year Built: unknown

600 E. Carpenter St., Midland MI, 48640

Building Project Work List

Site Size: x

uliding Project Work List						Site Size:	X	
tegory				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Se
HITECTURAL WORK	_	_	_	_	_	_		
								_
nterior Construction  Renovations for Head End relocation	12,000	sf	25.00	\$300,000	\$75,000	\$375,000	for data center	
	12,000	01	20.00		ψ10,000	ψον ο,οοο		
Architectural Work Subtotal:				\$300,000			\$375,000	
HANICAL WORK								
I.V.A.C.								
Replace Boiler/pumps	2	ea	100,000.00	\$200,000	\$50,000	\$250,000		
Replace indoor Air Handling Units	2	ea	30,000.00	\$60,000	\$15,000	\$75,000		
Replace 20 ton Condensing Units	2	ea	20,000.00	\$40,000	\$10,000	\$50,000	Formula and adulta conden	
Add AC to Tech Closet	1 2	ea	30,000.00 8,000.00	\$30,000 \$16,000	\$7,500 \$4,000	\$37,500 \$20,000	For relocated data center	
Replace Steam Humidifiers Replace Electric Cabinet Unit Heaters	4	ea ea	5,000.00	\$20,000	\$4,000 \$5,000		new Hot Water CUH	
Replace dual duct boxes w/VAV	36	ea	4,000.00	\$144,000	\$36,000	\$180,000	new not water con	
Replace Exhaust Fans	3	ea	4,000.00	\$12,000	\$3,000	\$15,000		
emperature Controls	·	-	1,000.00	ψ.2,000	ψο,σσσ	ψ10,000		
Replace all pneumatic controls with Digital	10,000	SF	2.25	\$22,500	\$5,625	\$28,125		
Mechanical Work Subtotal:				\$544,500			\$680,625	
TRICAL WORK			_	_		_		
ectrical-Power								Т
Add emergency generator	1	ls	88,000.00	\$88,000	\$22,000	\$110.000	for data center	
Add electrical to support technology	1	allo	15,000.00	\$15,000	\$3,750		Includes electrical related to moving data c	
.,			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	, , , , , ,	, ,, .,	ű	
ighting			04 000 00	<b>#04.000</b>	<b>#04.000</b>	£405.000		
Upgrade Site Lighting	1	ls	84,000.00	\$84,000	\$21,000	\$105,000		
Upgrade Exterior building mounted Lighting	1 1	ls Is	15,000.00 2,500.00	\$15,000 \$2,500	\$3,750 \$625	\$18,750		
Add Exterior Emergency Egress Lighting Add Occupancy Sensors	1	ls	7,000.00	\$2,500 \$7,000	\$625 \$1,750	\$3,125 \$8,750		
Upgrade Lighting Throughout Building	27,558	sf	6.00	\$165,300	\$1,750 \$41,325	\$206,625		
Relocate MDF Room	27,556	ls	10,000.00	\$10,000	\$2,500	\$12,500		
Replace Bus Block Heater System	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		
Electrical Work Subtotal:				\$416,800	, ,	, , , , , , , , , , , , , , , , , , , ,	\$521,000	
HNOLOGY INFRASTRUCTURE								
Remove Category 5 and/or supporting legacy cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		
Remove Category 5 and/or supporting legacy cabling Replace telecommunication rooms / relocate data center	1	ea	15,000.00	\$5,000 \$15,000	\$1,250 \$3,750		Relocate data center	
Replace voice/data structured cabling	254	ea	180.00	\$45,630	\$11,408	\$57,038	Nelocate data center	
Allowance for cabling to support series 1 needs	1	allo	2,000.00	\$2,000	\$500	\$2,500		
etwork / Wireless / Phone								
Replace network infr building/district core	1	ea	100,000.00	\$100,000	\$25,000	\$125,000		
Replace network infr edge switches	10	ea	4,200.00	\$42,000	\$10,500	\$52,500	Based on existing plus 1 per closet growth	
Replace UPS in each telecommunication room	3	ea	3,000.00	\$9,000	\$2,250	\$11,250		
Network infrastructure for Series 1 needs	1	ls	37,750.00	\$37,750	\$9,438	\$47,188		
Replace wireless infrastructure	21	ea	950.00	\$19,950	\$4,988	\$24,938	Includes 2 for Juvenile Center	
Replace phone system	1	ls	150,000.00	\$150,000	\$37,500	\$187,500		
Replace district servers  Refresh/expand servers/management tools series 2	1	ls allo	350,000.00 175,000.00	\$350,000 \$175,000	\$87,500 \$43,750	\$437,500 \$218,750		
		allo	173,000.00	\$175,000	ψ43,730	φ210,730		
Clock System  Replace clock system	1	Is	15,000.00	\$15,000	\$3,750	\$18,750		
ecurity								
Video surveillance	1	ls	85,000.00	\$85,000	\$21,250	\$106,250	Includes central servers	
Expand access control	1	ls	9,500.00	\$9,500	\$2,375	\$11,875		
Add intrusion detection	1	ls	8,000.00	\$8,000	\$2,000		Not in bond scope	
Install district-wide PA system	1	ls	55,000.00	\$55,000	\$13,750	\$68,750		
Technology Infrastructure Subtotal:				\$1,123,830			\$1,405,748	
							II.	

Remodeling Subtotal:

\$2,385,130



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

ory Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	s
WORK								
ite Infrastructure								
Replace hand rails on stairs	1	allo	10.000.00	\$10.000	\$2.500	\$12.500		
Replace fencing	1	allo	12,000.00	\$12,000	\$3,000	\$15,000		
Site Work Sub	itotal:			\$22,000			\$27,500	
INSTRUCTIONAL TECHNOLOGY EQUIPMENT								
omputers and Mobile Devices								
Replace teacher/staff laptops	60	ea	1,000.00	\$60,000	\$15,000	\$75,000	Estimate. Includes Juvenile staff	
Mobile devices for teachers/staff	60	ea	650.00	\$38,880	\$9,720	\$48,599		
Technology equipment - Series 2	1	ls	97,692.00	\$97,692	\$9,769	\$107,461		
Technology equipment - Series 3	1	ls	54,391.00	\$54,391	\$5,439	\$59,830		
Technology Equipment sub	ototal:			\$250,963			\$290,891	
ITURE, FURNISHINGS, EQUIPMENT								
echnology - Copiers/Printers/POS	4	ea	600.00	\$2,400	\$600	£3,000	Includes Juvenile & Post-Secondary Progr	
Renlace RW printers		ca ,						
Replace color printers	1	le.	1 350 00				· · · · · · · · · · · · · · · · · · ·	
Replace color printers	1	ls	1,350.00	\$1,350	\$338	\$1,688	Includes Juvenile & Post-Secondary Progr	
Replace color printers Replace BW MFP printers	1 7 1	ea	7,500.00	\$1,350 \$52,500	\$338 \$13,125	\$1,688 \$65,625	· · · · · · · · · · · · · · · · · · ·	
Replace color printers Replace BW MFP printers Replace color MFP printers	1 7 1		*****	\$1,350	\$338	\$1,688	Includes Juvenile & Post-Secondary Progr	
Replace color printers Replace BW MFP printers Replace color MFP printers echnology - Audiovisual	1	ea ea	7,500.00 10,000.00	\$1,350 \$52,500 \$10,000	\$338 \$13,125 \$2,500	\$1,688 \$65,625 \$12,500	Includes Juvenile & Post-Secondary Progr	
Replace color printers Replace BW MFP printers Replace color MFP printers  achnology - Audiovisual Conference room / IEP displays	7	ea ea Is	7,500.00 10,000.00 2,500.00	\$1,350 \$52,500 \$10,000 \$17,500	\$338 \$13,125 \$2,500 \$4,375	\$1,688 \$65,625 \$12,500 \$21,875	Includes Juvenile & Post-Secondary Progr Includes Juvenile & Post-Secondary Progr	
Replace color printers Replace BW MFP printers Replace color MFP printers echnology - Audiovisual	1	ea ea	7,500.00 10,000.00	\$1,350 \$52,500 \$10,000	\$338 \$13,125 \$2,500	\$1,688 \$65,625 \$12,500 \$21,875	Includes Juvenile & Post-Secondary Progr	
Replace color printers Replace BW MFP printers Replace color MFP printers  achnology - Audiovisual Conference room / IEP displays	7	ea ea Is	7,500.00 10,000.00 2,500.00	\$1,350 \$52,500 \$10,000 \$17,500	\$338 \$13,125 \$2,500 \$4,375	\$1,688 \$65,625 \$12,500 \$21,875	Includes Juvenile & Post-Secondary Progr Includes Juvenile & Post-Secondary Progr	
Replace color printers Replace BW MFP printers Replace color MFP printers  echnology - Audiovisual  Conference room / IEP displays Digital Signage	7	ea ea Is	7,500.00 10,000.00 2,500.00	\$1,350 \$52,500 \$10,000 \$17,500	\$338 \$13,125 \$2,500 \$4,375	\$1,688 \$65,625 \$12,500 \$21,875 \$43,750	Includes Juvenile & Post-Secondary Progr Includes Juvenile & Post-Secondary Progr	
Replace color printers Replace BW MFP printers Replace color MFP printers  echnology - Audiovisual Conference room / IEP displays Digital Signage  urniture & Furnishings	7	ea ea Is	7,500.00 10,000.00 2,500.00 35,000.00	\$1,350 \$52,500 \$10,000 \$17,500 \$35,000	\$338 \$13,125 \$2,500 \$4,375 \$8,750	\$1,688 \$65,625 \$12,500 \$21,875 \$43,750	Includes Juvenile & Post-Secondary Progr Includes Juvenile & Post-Secondary Progr Includes central servers	

TOTAL DIRECT COSTS:	\$2,806,843	\$3,482,801
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	\$3,481,841 check#
Notes:		



MIDLAND PUBLIC SCHOOLS

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

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

enrollment: N/A

N/A

enrollment: N/A

PN/A

Site Size: x

manig i roject from Eist						Olio Olzo.		
tegory				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Ser
CHITECTURAL WORK	-	-						-
Building Envelope  Replace roof system - partial	10,000	sf	9.00	\$90,000	\$22,500	\$112 500	warehouse area	2
	10,000	31	5.00		Ψ22,300	ψ112,500		
Architectural Work Subtotal:				\$90,000			\$112,500	
CHANICAL 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		20,000.00	\$20,000	\$5,000		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	
ECTRICAL 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	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	
CHNOLOGY INFRASTRUCTURE								
Cabling Infrastructure		-11-	4 000 00	<b>64</b> 000	<b>*</b> 050	£4.050		
Remove Category 5 and/or supporting legacy cabling	1	allo allo	1,000.00	\$1,000 \$1,500	\$250	\$1,250		1
Additional voice/data structured cabling Allowance for cabling to support series 2 needs	1 1	allo	1,500.00 1,500.00	\$1,500 \$1,500	\$375 \$375	\$1,875 \$1,875		2
		ano	1,000.00	ψ1,000	φονο	ψ1,070		•
Network / Wireless / Phone			40.000.00	010.000	00.500	<b>\$10.500</b>		
Replace network infr building core	1	ea	10,000.00	\$10,000	\$2,500	\$12,500	Daniel an arietic and a decorate annuals	2
Replace LIPS in each telecommunication room	2	ea	4,200.00 2,000.00	\$8,400 \$2,000	\$2,100 \$500		Based on existing plus 1 per closet growth	1 2
Replace UPS in each telecommunication room  Network infrastructure for Series 1 needs	1	ea Is	5,100.00	\$2,000 \$5,100	\$300 \$1,275	\$2,500 \$6,375		1
Replace phone system	1	ls	7,500.00	\$7,500	\$1,875	\$9,375		2
			,,000.00	ψ.,σσσ	ψ.,σ.σ	ψο,ο.ο		_
Security Video surveillance	1	lo	12 000 00	¢12.000	63 000	£15.000		
Expand access control	1	ls Is	12,000.00 5,000.00	\$12,000 \$5,000	\$3,000 \$1,250	\$15,000 \$6,250		
Install district-wide PA system	1	ls	10,000.00	\$10,000	\$2,500	\$12,500		1
Technology Infrastructure Subtotal:	•		10,000.00	\$64,000	Ψ2,000	ψ1 <u>2</u> ,000	\$80,000	
								1
Remodeling Subtotal:				\$358,400				j
E WORK								
Site Paving	40	le-#	0.500.00	<b>#</b> 05.000	<b>#</b> 0.050	#04.050		_
Repave parking and drives	10	ksf	2,500.00	\$25,000	\$6,250	\$31,250		2
Site Work Subtotal:				\$25,000			\$31,250	
N-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
			0.000.00			040.000		
Technology equipment - Series 3	1	Is	9,900.00	\$9,900	\$990	\$10,890		3



MIDLAND PUBLIC SCHOOLS

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

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

N/A

enrollment: N/A

N/A

Building Size: 34,440 capacity: N/A

Site Size: x

egory				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	<b>Unit Cost</b>	Cost	Costs	Estimate	Subtotals	Seri
RNITURE, 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 S	ubtotal:			\$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 \$6,213,468 check #

Notes:



MIDLAND PUBLIC SCHOOLS

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

District Wide Facility Assessment

Grades: N/A enrollment: N/A

Grounds Building

Year Built: unknown

417 E. Hines St., Midland, MI

Building Project Work List

Site Size: x

ilding Project Work List						Sile Size.		
tegory Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Ser
CHANICAL WORK	-	-	_	_	_	_	_	_
HVA C								
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		5,000.00	\$10,000	\$2,500	\$12,500		2
Mechanical Work Subtotal:			7,	\$30,000	, ,,,,,	, ,,,,,	\$37,500	
ECTRICAL WORK								
Electrical-Power								
Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
Linkshan								
Lighting	1	la.	2 200 00	<b>#2.800</b>	¢700	¢2 500		2
Upgrade Exterior building mounted Lighting	1		2,800.00 2,400.00	\$2,800	\$700	\$3,500		2
Add Occupancy Sanara			2,400.00	\$2,400	\$600 \$500	\$3,000 \$3,500		2
Add Occupancy Sensors Upgrade Existing T12 Lighting	1		20,000.00	\$2,000 \$20,000	\$500 \$5,000	\$2,500 \$25,000		2
	'	15	20,000.00		φ3,000	φ25,000		2
Electrical Work Subtotal:				\$32,200			\$40,250	
CHNOLOGY 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	Is	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		10,000.00	\$10,000	\$2,500	\$12,500		
Technology Infrastructure Subtotal:			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$42,750	, ,,,,,	, ,,,,,	\$53,438	
Remodeling Subtotal:				\$104,950				
				φ104,930				
E WORK								
Site Paving  Repave parking and drives	10	ksf	2,500.00	\$25,000	\$6,250	\$31,250		2
Site Work Subtotal:				\$25,000	77,277	***,=**	\$31,250	
				7=2,000			77.,223	
N-INSTRUCTIONAL TECHNOLOGY EQUIPMENT								
Computers and Mobile Devices	_							
Replace teacher/staff laptops	6		1,000.00	\$6,000	\$1,500	\$7,500		•
Mobile devices for teachers/staff	6		650.00	\$3,900	\$975	\$4,875		1
Technology equipment - Series 2	1	ls	9,900.00	\$9,900	\$990	\$10,890		:
Technology equipment - Series 3	1	ls	9,900.00	\$9,900	\$990	\$10,890		;
Technology Equipment subtotal:				\$29,700			\$34,155	



MIDLAND PUBLIC SCHOOLS

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

District Wide Facility Assessment

Grades: N/A enrollment: N/A

Grounds Building

Year Built: unknown

417 E. Hines St., Midland, MI

Building Project Work List

Site Size: x

Category Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs		Notes / ubtotals	Series
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 ground	ds, fork lift	1
F, F, & E Subt	otal:			\$36,650			\$42,563	

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



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

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	<b>Unit Cost</b>	Cost	Costs	Estimate	Subtotals	Series
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								
Site Infrastructure								
Demo building & restoration	38,996	sf	6.00	\$234,000	\$58,500	\$292,500 i	ncluding restoration	2
Site Work Subtotal:				\$234,000			\$292,500	

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



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

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series
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								
Site Infrastructure								
Demo building & restoration	24,937	sf	6.00	\$149,600	\$37,400	\$187,000 ii	ncluding restoration	2
Site Work Subtotal:				\$149,600			\$187,000	

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



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

Category					Direct	Indirect	Total	Notes /	
De	escription	Qty	Unit	<b>Unit Cost</b>	Cost	Costs	Estimate	Subtotals	Series
ARCHITEC	CTURAL WORK								
Enviro	onmental .								
Ab	bate 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 WOR	RK								
Site In	<u>nfrastructure</u>								
De	emo building & restoration	41,398	sf	6.00	\$248,400	\$62,100	\$310,500 i	ncluding restoration	2
	Site Work Subtotal:				\$248,400			\$310,500	

TOTAL DIRECT COSTS: \$331,200 \$414,000

Project Contingency: \$33,120
General Conditions: \$6,624
CM Fee / Reimbursables: \$21,528
A/E Fee / Reimbursables: \$21,528

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

Notes:



MIDLAND PUBLIC SCHOOLS

District Wide Facility Assessment

Eastlawn Elementary School

115 Eastlawn Dr., Midland, MI 48640

Building Project Work List

District Wide Facility Assessment

Grades: K-5 enrollment: x

enrollment: x

enrollment: x

site visit: 6/30/2014

1945

capacity: x

Building Project Work List

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series
ARCHITECTURAL WORK								
<u>Environmental</u>								
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	\$507,125 check#
Notes:			



 MIDLAND PUBLIC SCHOOLS
 Date:
 10/1/2014
 site visit:
 N/A

 District Wide Facility Assessment
 Grades:
 N/A
 enrollment:
 N/A

 Franklin Center
 Year Built:
 1949

 2900 Dauer St., Midland, MI
 Building Size:
 16,396
 capacity:
 N/A

 Building Project Work List
 Site Size:
 5.000

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series
ARCHITECTURAL WORK								
<u>Environmental</u>								
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	
			•	•				<u> </u>

	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	\$164,000 check#
Notes:	1011121110020110101	ψ.σ.,σσσ	\$101,000 G166KW



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

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series
ARCHITECTURAL WORK								
<u>Environmental</u>								
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 ii	ncluding restoration	2
Site Work Subtotal:				\$112,700			\$140,875	

TOTAL DIRECT COSTS:	\$150,300	\$187,875
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#



 MIDLAND PUBLIC SCHOOLS
 Date:
 10/1/2014
 site visit:
 6/30/2014

 District Wide Facility Assessment
 Grades:
 K-5
 enrollment:
 x

 Carpenter Elementary School
 Year Built:
 1926

 1407 W. Carpenter St., Midland, MI 48640
 Building Size:
 37,934
 capacity:
 x

 Building Project Work List
 Site Size:
 5.000

Category				Direct	Indirect	Total		
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Notes	Series
MECHANICAL WORK								
H.V.A.C.								
Replace Mechanical Equipment	1	ls	40,000.00	\$40,000	\$10,000	\$50,000		1
Mechanical Work Subtotal:				\$40,000			\$50,000	
ELECTRICAL WORK								
Electrical-Power								
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				

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

Barton Malow Company