

WEST BLOOMFIELD SCHOOL-DISTRICT
 POTENTIAL BOND ISSUE BALLOT QUESTION - MAY 2, 2017
 SUMMARY OF COSTS - BY SCHOOL

DRAFT - FOR DISCUSSION PURPOSE ONLY

DRAFT: 12/27/2016

Building	New Construction	Addition/ Remodeling	Renovations	Infrastructure	Facility Improvements	Site Improvements	Decommission Building	Building Security	Technology	Furniture/ Equipment	Buses/ Maint Equip	Project Contingency	Professional Fees	Total Cost	Building Area	Cost per SQFT
Doherty Elementary	\$0	\$310,000	\$945,490	\$781,790	\$50,000	\$50,000	\$0	\$130,300	\$0	\$425,000	\$0	\$359,246	\$626,821	\$3,628,638	65,300	\$55.57
Gretchko Elementary	\$0	\$1,120,000	\$130,500	\$450,240	\$100,000	\$100,000	\$0	\$136,800	\$0	\$150,000	\$0	\$313,881	\$508,796	\$2,910,218	58,400	\$49.83
Roosevelt Elementary	\$0	\$122,400	\$555,810	\$807,755	\$50,000	\$50,000	\$0	\$335,070	\$0	\$425,000	\$0	\$303,108	\$503,939	\$3,103,082	70,800	\$43.83
Scotch Elementary	\$0	\$676,770	\$225,450	\$770,753	\$50,000	\$50,000	\$0	\$142,500	\$0	\$425,000	\$0	\$302,207	\$519,995	\$3,112,674	69,200	\$44.98
Sheiko Elementary	\$0	\$336,600	\$934,275	\$665,863	\$50,000	\$50,000	\$0	\$534,690	\$0	\$425,000	\$0	\$408,471	\$700,773	\$4,055,672	66,900	\$60.62
Abbott Middle School	\$0	\$0	\$0	\$0	\$0	\$0	\$697,200	\$0	\$0	\$0	\$0	\$112,946	\$208,100	\$1,018,247	116,200	\$8.76
Orchard Lake Middle School	\$0	\$0	\$0	\$0	\$0	\$0	\$656,500	\$0	\$0	\$0	\$0	\$106,353	\$175,800	\$938,653	131,300	\$7.15
New Consolidated Middle School	\$42,602,445	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,440,000	\$0	\$6,709,878	\$9,719,703	\$60,472,027	186,523	\$324.21
West Bloomfield High School	\$0	\$3,942,500	\$6,611,305	\$3,481,445	\$200,000	\$200,000	\$0	\$247,000	\$0	\$1,450,000	\$0	\$2,286,385	\$3,664,393	\$21,883,028	342,700	\$63.85
Administration Building	\$0	\$0	\$0	\$0	\$0	\$0	\$207,600	\$0	\$0	\$0	\$0	\$33,631	\$70,963	\$312,194	34,600	\$9.02
Transportation / Maintenance	\$0	\$0	\$0	\$247,500	\$500,000	\$500,000	\$0	\$0	\$0	\$0	\$0	\$121,095	\$256,895	\$1,125,490	16,500	\$68.21
District Wide	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,246,000	\$6,200,000	\$1,000,000	\$4,628,000	\$3,579,599	\$786,480	\$17,440,079	1,158,423	\$15.06
Totals:	\$42,602,445	\$6,508,270	\$9,402,830	\$7,205,335	\$1,000,000	\$1,000,000	\$1,561,300	\$2,772,360	\$6,200,000	\$5,740,000	\$4,628,000	\$14,636,802	\$17,742,659	\$120,000,000	1,158,423	\$103.59

Notes:
 Professional Fees include general conditions, testing, permits, insurance, financing, architect/engineer, construction manager, owners rep, legal, etc

WEST BLOOMFIELD SCHOOL DISTRICT
 POTENTIAL BOND ISSUE BALLOT QUESTION - MAY 2, 2017
 SUMMARY OF COSTS - BY SCOPE

DRAFT - FOR DISCUSSION PURPOSE ONLY

DRAFT: 12/27/2016

Description	School	Qty	Unit	Direct Cost	Indirect Costs	Total Cost
NEW CONSTRUCTION						
New Consolidated Middle School	OLMS Site	186,523	\$228.40	\$42,602,445	\$16,364,782	\$58,967,227
ADDITION / REMODELING						
Auxillary Gymnasium	High School	9,860	\$267.75	\$2,640,000	\$1,072,885	\$3,712,885
Kiln & Band Storage Addition	High School	345	\$278.99	\$96,250	\$39,116	\$135,366
Project Based Learning, inc FFE	High School	9,650	\$154.35	\$1,489,500	\$206,965	\$1,696,465
Project Based Learning, inc FFE	elementary schools	13,685	\$107.12	\$1,465,930	\$667,379	\$2,133,309
Gym/Office/Conf Addition	Gretchko	5,000	\$215.00	\$1,075,000	\$452,699	\$1,527,699
RENOVATIONS						
i-Center Program, inc FFE	elementary schools	21,985	\$75.01	\$1,649,050	\$952,324	\$2,601,374
Multi-purpose rooms (gym/café)	elementary schools	13,110	\$45.00	\$589,950	\$253,393	\$843,343
Renovate classrooms	elementary schools	8,525	\$45.00	\$383,625	\$165,448	\$549,073
Renovate classrooms	High School	50,675	\$55.97	\$2,836,105	\$1,152,582	\$3,988,687
Update Restrooms	High School	4 sets	\$80,000	\$320,000	\$130,047	\$450,047
Renovate Auditorium	High School	17,130	\$148.28	\$2,540,000	\$1,032,246	\$3,572,246
Update Pool area	High School	13,970	\$29.72	\$415,200	\$168,736	\$583,936
Update Weight & Dance room	High School			\$500,000	\$203,198	\$703,198
FACILITY INFRASTRUCTURE						
Replace precast fascia panels	High School			\$350,000	\$142,239	\$492,239
Minor updates - rooms	district-wide	436,555	\$13.79	\$6,021,670	\$2,560,571	\$8,582,241
Minor updates - circulation	district-wide	129,785	\$6.31	\$818,665	\$342,521	\$1,161,186
SITE IMPROVEMENTS						
Site Work	district-wide			\$500,000	\$209,390	\$709,390
Replace fueling system	Transportation			\$500,000	\$252,836	\$752,836
DECOMMISSION BUILDING						
Demilish Building	ACS	34,600	\$6.00	\$207,600	\$104,594	\$312,194
Decommission Building	Abbott Middle	116,200	\$6.00	\$697,200	\$321,047	\$1,018,247
Demolish building	Orchard Lake MS	131,300	\$5.00	\$656,500	\$282,153	\$938,653
BUILDING SECURITY						
Create Secure Entry	district-wide	18,150	\$84.10	\$1,526,360	\$648,422	\$2,174,782
Card reader building access	district-wide	82	\$3,000	\$246,000	\$90,043	\$336,043
Cameras/Video surveillance	district-wide	1		\$1,000,000	\$366,029	\$1,366,029
TECHNOLOGY						
Replace Chrome books fleet in year 1 of the bond		5,000	\$220	\$1,100,000	\$49,500	\$1,149,500
Replace Chrome books fleet in year 6 of the bond		5,000	\$220	\$1,100,000	\$49,500	\$1,149,500
Replace other IT equipment	district-wide	1		\$1,000,000	\$45,000	\$1,045,000
IT Infrastructure	district-wide	1		\$3,000,000	\$135,000	\$3,135,000
FURNITURE / EQUIPMENT						
Furniture for collaboration	district-wide			\$4,788,600	\$164,700	\$4,953,300
Equipment; music, athletic, etc	district-wide	1		\$1,000,000	\$45,000	\$1,045,000
Replace Bus Fleet	Transportation	50	\$90,000	\$4,500,000	\$202,500	\$4,702,500
Maintenance equipment	Maintenance	1	\$128,000	\$128,000	\$5,760	\$133,760

Subtotal: \$116,622,254

Owner's Contingency / Escalation: \$3,377,747

Program Total: \$120,000,000

Notes:

Indirect Costs include project contingency and professional feesc

**WEST BLOOMFIELD SCHOOLS
DISTRICT ASSESSMENT
WEST BLOOMFIELD, MICHIGAN
Assessment Summary**

12/22/2016

DESCRIPTION	Total
Doherty Elementary School	\$3,628,638
Gretchko Elementary School	\$2,910,218
Roosevelt Elementary School	\$3,103,082
Scotch Elementary School	\$3,112,674
Sheiko Elementary School	\$4,055,672
Abbott Middle School	\$1,018,247
Orchard Lake Middle School	\$938,653
New Consolidated Middle School	\$60,472,027
West Bloomfield High School	\$21,883,028
Administration/Community Services Building	\$312,194
Transportation / Facility Operations	\$1,125,490
District Wide	\$17,440,079
Total Cost	\$120,000,000

**CONFIDENTIAL
GEORGE W. AUCH COMPANY**

WEST BLOOMFIELD SCHOOLS
DISTRICT ASSESSMENT
WEST BLOOMFIELD, MICHIGAN
Doherty Elementary School

12/22/2016

DESCRIPTION	Unit of Meas.	Quantity	Unit Cost	Total Cost
<u>Sitework</u>				
Sitework	psm	1	\$50,000	\$50,000
Total Sitework				\$50,000
<u>Demolition</u>				
N / A				\$0
Total Demolition				\$0
<u>Architectural - New / Addition</u>				
Addition - infill existing courtyard	sqft	1,550	\$200	\$310,000
Addition - secure vestibule	sqft	280	\$250	\$70,000
Total Architectural - New / Addition				\$380,000
<u>Architectural - Renovation</u>				
Heavy remodel	sqft	5,270	\$55.00	\$289,850
Light remodel	sqft	9,820	\$30.00	\$294,600
Minor updates	sqft	39,400	\$15.00	\$591,000
Minor updates - circulation	sqft	10,810	\$8.00	\$86,480
Replace moveable partitions in central rear teaching pod	sqft	846	\$100.00	\$84,600
Total Architectural - Renovation				\$1,346,530
<u>Equipment</u>				
NIC				\$0
Total Equipment				\$0
<u>Plumbing</u>				
Heavy Remodel	sqft	5,270	\$12	\$63,240
Light remodel	sqft	9,820	\$0.00	\$0
Minor updates	sqft	39,400	\$0.50	\$19,700
Minor updates - circulation	sqft	10,810	\$0.00	\$0
Total Plumbing				\$82,940
<u>Fire Protection</u>				
Not Required				\$0
Total Fire Protection				\$0
<u>Mechanical</u>				
Heavy remodel	sqft	5,270	\$25	\$131,750
Light remodel	sqft	9,820	\$5	\$49,100
Minor updates	sqft	39,400	\$0	\$0
Minor updates - circulation	sqft	10,810	\$0	\$0
Total Mechanical				\$180,850
<u>Electrical</u>				
Heavy remodel	sqft	5,270	\$15	\$79,050
Light remodel	sqft	9,820	\$10	\$98,200
Minor updates	sqft	39,400	\$0	\$0
Minor updates - circulation	sqft	10,810	\$0	\$0
Total Electrical				\$177,250
Total Cost		67,130		\$2,217,570
General Conditions				
		8.00%		\$177,406
Subtotal				\$2,394,976
Estimating Contingency				
		10.00%		\$239,498
Project Contingency				
		5.00%		\$119,749
Total Direct Costs				\$2,754,222
Testing				
		1.05%		\$28,919
Utility Permits & Fees				
		0.00%		\$0
Subtotal				\$2,783,141
Permits				
		0.50%		\$13,916
Subtotal				\$2,797,057
CM Fees				
		3.00%		\$83,912
Subtotal				\$2,880,969
General Liability				
		0.50%		\$14,405
Subtotal				\$2,895,374
Architectural Fees				
		5.25%		\$152,007
Subtotal				\$3,047,381
Fixtures Furnishings & Equipment - Allowance				
		allow		\$425,000
Subtotal				\$3,472,381
Owners Rep Fee/Legal/Election & Bond issuance Cost				
		4.5%		\$156,257
TOTAL COSTS				\$54.05 \$3,628,638

WEST BLOOMFIELD SCHOOLS
DISTRICT ASSESSMENT
WEST BLOOMFIELD, MICHIGAN
Gretchko Elementary School

12/22/2016

DESCRIPTION	Unit of Meas.	Quantity	Unit Cost	Total Cost
Sitework				
Sitework	lpsm	1	\$100,000	\$100,000
Total Sitework				<u>\$100,000</u>
Demolition				
N / A				\$0
Total Demolition				<u>\$0</u>
Architectural - New / Addition				
New Gym/Office/Conference Addition	sqft	5,000	\$215	\$1,075,000
Total Architectural -New / Addition				<u>\$1,075,000</u>
Architectural - Renovation				
Heavy remodel	sqft	900	\$100.00	\$90,000
Light remodel	sqft	3,900	\$30.00	\$117,000
Minor updates	sqft	42,880	\$8.00	\$343,040
Minor updates - circulation	sqft	10,720	\$8.00	\$85,760
Total Architectural - Renovation				<u>\$635,800</u>
Equipment				
NIC				\$0
Total Equipment				<u>\$0</u>
Plumbing				
Heavy remodel	sqft	900	\$12	\$10,800
Light remodel	sqft	3,900	\$0.00	\$0
Minor updates	sqft	42,880	\$0.50	\$21,440
Minor updates - circulation	sqft	10,720	\$0.00	\$0
Total Plumbing				<u>\$32,240</u>
Fire Protection				
Not Required				\$0
Total Fire Protection				<u>\$0</u>
Mechanical				
Heavy remodel	sqft	900	\$25	\$22,500
Light remodel	sqft	3,900	\$5	\$19,500
Minor updates	sqft	42,880	\$0	\$0
Minor updates - circulation	sqft	10,720	\$0	\$0
Total Mechanical				<u>\$42,000</u>
Electrical				
Heavy remodel	sqft	900	\$15	\$13,500
Light remodel	sqft	3,900	\$10	\$39,000
Minor updates	sqft	42,880	\$0	\$0
Minor updates - circulation	sqft	10,720	\$0	\$0
Total Electrical				<u>\$52,500</u>
Total Cost		63,400		<u>\$1,937,540</u>
General Conditions	8.00%			\$155,003
Subtotal				<u>\$2,092,543</u>
Estimating Contingency	10.00%			\$209,254
Project Contingency	5.00%			\$104,627
Total Direct Costs				<u>\$2,406,425</u>
Testing	0.00%			\$0
Utility Permits & Fees	0.00%			\$0
Subtotal				<u>\$2,406,425</u>
Permits	0.50%			\$12,032
Subtotal				<u>\$2,418,457</u>
CM Fees	3.00%			\$72,554
Subtotal				<u>\$2,491,011</u>
General Liability	0.50%			\$12,455
Subtotal				<u>\$2,503,466</u>
Architectural Fees	5.25%			\$131,432
Subtotal				<u>\$2,634,898</u>
Fixtures Furnishings & Equipment - Allowance	allow			\$150,000
Subtotal				<u>\$2,784,898</u>
Owners Rep Fee/Legal/Election & Bond issuance Cost	4.5%			\$125,320
TOTAL COSTS			\$45.90	<u>\$2,910,218</u>

**WEST BLOOMFIELD SCHOOLS
DISTRICT ASSESSMENT
WEST BLOOMFIELD, MICHIGAN
Roosevelt Elementary School**

12/22/2016

DESCRIPTION	Unit of Meas.	Quantity	Unit Cost	Total Cost
<u>Sitework</u>				
Sitework	lpsm	1	\$50,000	\$50,000
Total Sitework				\$50,000
<u>Demolition</u>				
N / A				\$0
Total Demolition				\$0
<u>Architectural - New / Addition</u>				
N / A				\$0
Total Architectural - New / Addition				\$0
<u>Architectural - Renovation</u>				
Heavy remodel	sqft	6,890	\$50.00	\$344,500
Light remodel	sqft	6,900	\$30.00	\$207,000
Minor updates	sqft	44,890	\$15.00	\$673,350
Minor updates - circulation	sqft	12,120	\$8.00	\$96,960
Exterior Envelope Improvements	allow	1	\$15,000	\$15,000
Total Architectural - Renovation				\$1,336,810
<u>Equipment</u>				
NIC				\$0
Total Equipment				\$0
<u>Plumbing</u>				
Heavy remodel	sqft	6,890	\$12	\$82,680
Light remodel	sqft	6,900	\$0.00	\$0
Minor updates	sqft	44,890	\$0.50	\$22,445
Minor updates - circulation	sqft	12,120	\$0.00	\$0
Total Plumbing				\$105,125
<u>Fire Protection</u>				
Not Required				\$0
Total Fire Protection				\$0
<u>Mechanical</u>				
Heavy remodel	sqft	6,890	\$25	\$172,250
Light remodel	sqft	6,900	\$5	\$34,500
Minor updates	sqft	44,890	\$0	\$0
Minor updates - circulation	sqft	12,120	\$0	\$0
Total Mechanical				\$206,750
<u>Electrical</u>				
Heavy remodel	sqft	6,890	\$15	\$103,350
Light remodel	sqft	6,900	\$10	\$69,000
Minor updates	sqft	44,890	\$0	\$0
Minor updates - circulation	sqft	12,120	\$0	\$0
Total Electrical				\$172,350
Total Cost		70,800		\$1,871,035
General Conditions		8.00%		\$149,683
Subtotal				\$2,020,718
Estimating Contingency		10.00%		\$202,072
Project Contingency		5.00%		\$101,036
Total Direct Costs				\$2,323,825
Testing		0.00%		\$0
Utility Permits & Fees		0.00%		\$0
Subtotal				\$2,323,825
Permits		0.50%		\$11,619
Subtotal				\$2,335,445
CM Fees		3.00%		\$70,063
Subtotal				\$2,405,508
General Liability		0.50%		\$12,028
Subtotal				\$2,417,535
Architectural Fees		5.25%		\$126,921
Subtotal				\$2,544,456
Fixtures Furnishings & Equipment - Allowance		allow		\$425,000
Subtotal				\$2,969,456
Owners Rep Fee/Legal/Election & Bond issuance Cost		4.5%		\$133,626
TOTAL COSTS				\$43.83 \$3,103,082

WEST BLOOMFIELD SCHOOLS
DISTRICT ASSESSMENT
WEST BLOOMFIELD, MICHIGAN
Scotch Elementary School

12/22/2016

DESCRIPTION	Unit of Meas.	Quantity	Unit Cost	Total Cost
Sitework				
Sitework	lpsm	1	\$50,000	\$50,000
Total Sitework				\$50,000
Demolition				
N / A				\$0
Total Demolition				\$0
Architectural - New / Addition				
Addition - secure vestibule	sqft	300	\$250	\$75,000
Total Architectural - New / Addition				\$75,000
Architectural - Renovation				
Heavy remodel	sqft	6,635	\$50.00	\$331,750
Light remodel	sqft	6,510	\$30.00	\$195,300
Minor updates	sqft	42,975	\$15.00	\$644,625
Minor updates - circulation	sqft	13,080	\$8.00	\$104,640
Total Architectural - Renovation				\$1,276,315
Equipment				
NIC				\$0
Total Equipment				\$0
Plumbing				
Heavy remodel	sqft	6,635	\$12	\$79,620
Light remodel	sqft	6,510	\$0.00	\$0
Minor updates	sqft	42,975	\$0.50	\$21,488
Minor updates - circulation	sqft	13,080	\$0.00	\$0
Total Plumbing				\$101,108
Fire Protection				
Not Required				\$0
Total Fire Protection				\$0
Mechanical				
Heavy remodel	sqft	6,635	\$25	\$165,875
Light remodel	sqft	6,510	\$5	\$32,550
Minor updates	sqft	42,975	\$0	\$0
Minor updates - circulation	sqft	13,080	\$0	\$0
Total Mechanical				\$198,425
Electrical				
Heavy remodel	sqft	6,635	\$15	\$99,525
Light remodel	sqft	6,510	\$10	\$65,100
Minor updates	sqft	42,975	\$0	\$0
Minor updates - circulation	sqft	13,080	\$0	\$0
Total Electrical				\$164,625
Total Cost		69,500		\$1,865,473
General Conditions		8.00%		\$149,238
Subtotal				\$2,014,710
Estimating Contingency		10.00%		\$201,471
Project Contingency		5.00%		\$100,736
Total Direct Costs				\$2,316,917
Testing		0.66%		\$15,292
Utility Permits & Fees		0.00%		\$0
Subtotal				\$2,332,208
Permits		0.50%		\$11,661
Subtotal				\$2,343,870
CM Fees		3.00%		\$70,316
Subtotal				\$2,414,186
General Liability		0.50%		\$12,071
Subtotal				\$2,426,257
Architectural Fees		5.25%		\$127,378
Subtotal				\$2,553,635
Fixtures Furnishings & Equipment - Allowance		allow		\$425,000
Subtotal				\$2,978,635
Owners Rep Fee/Legal/Election & Bond issuance Cost		4.5%		\$134,039
TOTAL COSTS			\$44.79	\$3,112,674

**WEST BLOOMFIELD SCHOOLS
DISTRICT ASSESSMENT
WEST BLOOMFIELD, MICHIGAN
Sheiko Elementary School**

12/22/2016

DESCRIPTION	Unit of Meas.	Quantity	Unit Cost	Total Cost
Sitework				
Sitework	lpsm	1	\$50,000	\$50,000
Total Sitework				\$50,000
Demolition				
N / A				\$0
Total Demolition				\$0
Architectural - New / Addition				
Addition - secure vestibule	sqft	825	\$250	\$206,250
Total Architectural - New / Addition				\$206,250
Architectural - Renovation				
Heavy remodel	sqft	12,920	\$50.00	\$646,000
Light remodel	sqft	6,255	\$30.00	\$187,650
Minor updates	sqft	37,875	\$15.00	\$568,125
Minor updates - circulation	sqft	9,850	\$8.00	\$78,800
Total Architectural - Renovation				\$1,480,575
Equipment				
NIC				\$0
Total Equipment				\$0
Plumbing				
Heavy remodel	sqft	12,920	\$12	\$155,040
Light remodel	sqft	6,255	\$0.00	\$0
Minor updates	sqft	37,875	\$0.50	\$18,938
Minor updates - circulation	sqft	9,850	\$0.00	\$0
Total Plumbing				\$173,978
Fire Protection				
Not Required				\$0
Total Fire Protection				\$0
Mechanical				
Heavy remodel	sqft	12,920	\$25	\$323,000
Light remodel	sqft	6,255	\$5	\$31,275
Minor updates	sqft	37,875	\$0	\$0
Minor updates - circulation	sqft	9,850	\$0	\$0
Total Mechanical				\$354,275
Electrical				
Heavy remodel	sqft	12,920	\$15	\$193,800
Light remodel	sqft	6,255	\$10	\$62,550
Minor updates	sqft	37,875	\$0	\$0
Minor updates - circulation	sqft	9,850	\$0	\$0
Total Electrical				\$256,350
Total Cost		67,725		\$2,521,428
General Conditions		8.00%		\$201,714
Subtotal				\$2,723,142
Estimating Contingency		10.00%		\$272,314
Project Contingency		5.00%		\$136,157
Total Direct Costs				\$3,131,613
Testing		0.79%		\$24,740
Utility Permits & Fees		0.00%		\$0
Subtotal				\$3,156,353
Permits		0.50%		\$15,782
Subtotal				\$3,172,134
CM Fees		3.00%		\$95,164
Subtotal				\$3,267,298
General Liability		0.50%		\$16,336
Subtotal				\$3,283,635
Architectural Fees		5.25%		\$172,391
Subtotal				\$3,456,026
Fixtures Furnishings & Equipment - Allowance				\$425,000
Subtotal				\$3,881,026
Owners Rep Fee/Legal/Election & Bond issuance Cost		4.5%		\$174,646
TOTAL COSTS			\$59.88	\$4,055,672

**WEST BLOOMFIELD SCHOOLS
DISTRICT ASSESSMENT
WEST BLOOMFIELD, MICHIGAN
Abbott Middle School**

12/22/2016

DESCRIPTION	Unit of Meas.	Quantity	Unit Cost	Total Cost
<u>Sitework</u>				
NIC				\$0
Total Sitework				<u>\$0</u>
<u>Demolition</u>				
Total Demolition				<u>\$0</u>
<u>Architctural - New / Addition</u>				
N / A				\$0
Total Architectural - New / Addition				<u>\$0</u>
<u>Architctural - Renovation</u>				
Decommission building	sqft	116,200	\$6	\$697,200
Total Architectural - Renovation				<u>\$697,200</u>
<u>Equipment</u>				
N / A				\$0
Total Equipment				<u>\$0</u>
<u>Plumbing</u>				
N / A				\$0
Total Plumbing				<u>\$0</u>
<u>Fire Protection</u>				
N / A				\$0
Total Fire Protection				<u>\$0</u>
<u>Mechanical</u>				
N / A				\$0
Total Mechanical				<u>\$0</u>
<u>Electrical</u>				
N / A				\$0
Total Electrical				<u>\$0</u>
Total Cost		<u>116,200</u>		<u>\$697,200</u>
General Conditions		8.00%		\$55,776
Subtotal				<u>\$752,976</u>
Estimating Contingency		10.00%		\$75,298
Project Contingency		5.00%		\$37,649
Total Direct Costs				<u>\$865,922</u>
Testing		0.64%		\$5,542
Utility Permits & Fees		2.13%		\$18,444
Subtotal				<u>\$889,908</u>
Permits		0.50%		\$4,450
Subtotal				<u>\$894,358</u>
CM Fees		3.00%		\$26,831
Subtotal				<u>\$921,189</u>
General Liability		0.50%		\$4,606
Subtotal				<u>\$925,795</u>
Architctural Fees		5.25%		\$48,604
Subtotal				<u>\$974,399</u>
Fixtures Furnishings & Equipment - Allowance		0.00%		\$0
Subtotal				<u>\$974,399</u>
Owners Rep Fee/Legal/Election & Bond issuance Cost		4.5%		\$43,848
TOTAL COSTS				<u>\$8.76 \$1,018,247</u>

WEST BLOOMFIELD SCHOOLS
DISTRICT ASSESSMENT
WEST BLOOMFIELD, MICHIGAN
Orchard Lake Middle School

12/22/2016

DESCRIPTION	Unit of Meas.	Quantity	Unit Cost	Total Cost
<u>Sitework</u>				
NIC				\$0
Total Sitework				\$0
<u>Demolition</u>				
Demo building complete	sqft	131,300	\$5	\$656,500
Total Demolition				\$656,500
<u>Architctural - New / Addition</u>				
N / A				\$0
Total Architectural - New / Addition				\$0
<u>Architctural - Renovation</u>				
N / A				\$0
Total Architectural - Renovation				\$0
<u>Equipment</u>				
N / A				\$0
Total Equipment				\$0
<u>Plumbing</u>				
N / A				\$0
Total Plumbing				\$0
<u>Fire Protection</u>				
N / A				\$0
Total Fire Protection				\$0
<u>Mechanical</u>				
N / A				\$0
Total Mechanical				\$0
<u>Electrcal</u>				
N / A				\$0
Total Electrical				\$0
Total Cost		<u>131,300</u>		<u>\$656,500</u>
General Conditions		8.00%		<u>\$52,520</u>
Subtotal				\$709,020
Estimating Contingency		10.00%		\$70,902
Project Contingency		5.00%		<u>\$35,451</u>
Total Direct Costs				\$815,373
Testing		0.61%		\$4,974
Utility Permits & Fees		0.00%		<u>\$0</u>
Subtotal				\$820,347
Permits		0.50%		<u>\$4,102</u>
Subtotal				\$824,449
CM Fees		3.00%		<u>\$24,733</u>
Subtotal				\$849,182
General Liability		0.50%		<u>\$4,246</u>
Subtotal				\$853,428
Architctural Fees		5.25%		<u>\$44,805</u>
Subtotal				\$898,233
Fixtures Furnishings & Equipment - Allowance		0.00%		<u>\$0</u>
Subtotal				\$898,233
Owners Rep Fee/Legal/Election & Bond issuance Cost		4.5%		\$40,420
TOTAL COSTS				\$7.15 \$938,653

**WEST BLOOMFIELD SCHOOLS
DISTRICT ASSESSMENT
WEST BLOOMFIELD, MICHIGAN
New Consolidated Middle School**

12/22/2016

DESCRIPTION	Unit of Meas.	Quantity	Unit Cost	Total Cost
<u>Sitework</u>				
Sitework and athletic fields	each	1	\$2,500,000	<u>\$2,500,000</u>
Total Sitework				<u>\$2,500,000</u>
<u>Demolition</u>				
NIC	sqft	0	\$0	<u>\$0</u>
Total Demolition				<u>\$0</u>
<u>Architctural - New / Addition</u>				
New construction	sqft	186,523	\$215	<u>\$40,102,445</u>
Total Architectural - New / Addition				<u>\$40,102,445</u>
<u>Architctural - Renovation</u>				
NIC				<u>\$0</u>
Total Architectural - Renovation				<u>\$0</u>
<u>Equipment</u>				
NIC				<u>\$0</u>
Total Equipment				<u>\$0</u>
<u>Plumbing</u>				
Included above				<u>\$0</u>
Total Plumbing				<u>\$0</u>
<u>Fire Protection</u>				
Included above				<u>\$0</u>
Total Fire Protection				<u>\$0</u>
<u>Mechanical</u>				
Included above				<u>\$0</u>
Total Mechanical				<u>\$0</u>
<u>Electrical</u>				
Included above				<u>\$0</u>
Total Electrical				<u>\$0</u>
Total Cost		<u>186,523</u>		<u>\$42,602,445</u>
General Conditions				<u>\$2,130,078</u>
Subtotal				<u>\$44,732,523</u>
Estimating Contingency	10.00%			\$4,473,252
Project Contingency	5.00%			<u>\$2,236,626</u>
Total Direct Costs				<u>\$51,442,401</u>
Testing	allow			\$60,000
Utility Permits & Fees	allow			<u>\$175,000</u>
Subtotal				<u>\$51,677,401</u>
Permits	1.00%			<u>\$516,774</u>
Subtotal				<u>\$52,194,175</u>
CM Fees	2.50%			<u>\$1,304,854</u>
Subtotal				<u>\$53,499,030</u>
General Liability	0.50%			<u>\$267,495</u>
Subtotal				<u>\$53,766,525</u>
Architctural Fees	4.95%			<u>\$2,661,443</u>
Subtotal				<u>\$56,427,968</u>
Fixtures Furnishings & Equipment - Allowance	allow			<u>\$1,440,000</u>
Subtotal				<u>\$57,867,968</u>
Owners Rep Fee/Legal/Election & Bond issuance Cost	4.5%			<u>\$2,604,059</u>
TOTAL COSTS				<u>\$324.21 \$60,472,027</u>

**WEST BLOOMFIELD SCHOOLS
DISTRICT ASSESSMENT
WEST BLOOMFIELD, MICHIGAN
High School**

12/22/2016

DESCRIPTION	Unit of Meas.	Quantity	Cost	Total Cost
Sitework				
Sitework at new auxiliary gym	each	1	\$175,000	\$175,000
Other site improvements	sf/ow	1	\$200,000	\$200,000
Total Sitework				\$375,000
Demolition				
N / A				\$0
Total Demolition				\$0
Architectural - New / Addition				
Auxiliary gymnasium	sqft	9,860	\$250	\$2,465,000
Kln Room	sqft	145	\$250	\$36,250
Storage	sqft	200	\$300	\$60,000
Total Architectural - Addition				\$2,561,250
Architectural - Renovation				
Heavy remodel	sqft	20,115	\$75	\$1,508,625
Light remodel	sqft	48,710	\$20	\$974,200
Minor updates	sqft	212,035	\$12	\$2,544,420
Minor updates - circulation	sqft	73,205	\$5	\$366,025
Replace precast facade panels	lpsm	1	\$350,000	\$350,000
Total room renovation - finishes and fixtures	set	4	\$80,000	\$320,000
Replace movable partitions - 1st	sqft	1,700	\$130	\$221,000
Weight & dance room renovations (lighting, equipment, mirrors, etc.)	lpsm	1	\$500,000	\$500,000
Replace pool lighting	lpsm	1	\$215,200	\$215,200
Replace pool equipment	lpsm	1	\$200,000	\$200,000
Replace firefhes at lower level dressing rooms	lpsm	1	\$50,000	\$50,000
Replace stage lighting	lpsm	1	\$400,000	\$400,000
New orchestra pit	lpsm	1	\$600,000	\$600,000
New orchestra pit lift	lpsm	1	\$300,000	\$300,000
New sound booth at auditorium	lpsm	1	\$50,000	\$50,000
New sound mixing board	lpsm	1	\$80,000	\$80,000
New light board	lpsm	1	\$15,000	\$15,000
New stage curtains	lpsm	1	\$75,000	\$75,000
New projector with retractable screen	lpsm	1	\$70,000	\$70,000
New lift	lpsm	1	\$35,000	\$35,000
New smoke doors in roof	lpsm	1	\$25,000	\$25,000
Show power on stage and portable dimmer / power distribution	lpsm	1	\$125,000	\$125,000
Box truss system with chain motors and motor control system	lpsm	1	\$30,000	\$30,000
New rigging	lpsm	1	\$375,000	\$375,000
Total Architectural -Renovation				\$9,699,470
Equipment				
NIC				\$0
Total Equipment				\$0
Plumbing				
Heavy remodel	sqft	20,115	\$7	\$140,805
Light remodel	sqft	48,710	\$1	\$48,710
Minor updates	sqft	212,035	\$0	\$0
Minor updates - circulation	sqft	73,205	\$0	\$0
Total Plumbing				\$189,515
Fire Protection				
Heavy remodel	sqft	20,115	\$3.00	\$60,345
Light remodel	sqft	48,710	\$2.00	\$97,420
Minor updates	sqft	212,035	\$0.00	\$0
Minor updates - circulation	sqft	73,205	\$0.00	\$0
Total Fire Protection				\$157,765
Mechanical				
Heavy remodel	sqft	20,115	\$25	\$502,875
Light remodel	sqft	48,710	\$6	\$292,260
Minor updates	sqft	212,035	\$0	\$0
Minor updates - circulation	sqft	73,205	\$0	\$0
Total Mechanical				\$795,135
Electrical				
Heavy remodel	sqft	20,115	\$15	\$301,725
Light remodel	sqft	48,710	\$10	\$487,100
Minor updates	sqft	212,035	\$0	\$0
Minor updates - circulation	sqft	73,205	\$0	\$0
Total Electrical				\$788,825
Total Cost		358,665		\$14,482,250
General Conditions		5.25%		\$760,318
Subtotal				\$15,242,568
Estimating Contingency		10.00%		\$1,524,257
Project Contingency		5.00%		\$762,128
Total Direct Costs				\$17,528,953
Testing		0.20%		\$35,058
Utility Permits & Fees		1.35%		\$230,641
Subtotal				\$17,800,552
Permits		0.50%		\$89,203
Subtotal				\$17,889,755
CM Fees		3.00%		\$536,850
Subtotal				\$18,426,605
General Liability		0.50%		\$92,132
Subtotal				\$18,518,737
Architectural Fees		5.25%		\$922,220
Subtotal				\$19,440,957
Fixtures Furnishings & Equipment - Allowance		allow		\$1,450,000
Subtotal				\$20,890,957
Owners Rep Fee/Legal/Election & Bond issuance Cost		4.5%		\$942,331
TOTAL COSTS			\$61.01	\$21,833,288

**WEST BLOOMFIELD SCHOOLS
DISTRICT ASSESSMENT
WEST BLOOMFIELD, MICHIGAN
Admin Building**

12/22/2016

	DESCRIPTION	Unit of Meas.	Quantity	Unit Cost	Total Cost
NIC	<u>Sitework</u>				\$0
	Total Sitework				<u>\$0</u>
Demo building complete	<u>Demolition</u>	sqft	34,600	\$6.00	\$207,600
	Total Demolition				<u>\$207,600</u>
N / A	<u>Architectural - New / Addition</u>				\$0
	Total Architectural - New / Addition				<u>\$0</u>
N / A	<u>Architectural - Renovation</u>				\$0
	Total Architectural -Renovation				<u>\$0</u>
NIC	<u>Equipment</u>				\$0
	Total Equipment				<u>\$0</u>
Included above	<u>Plumbing</u>				\$0
	Total Plumbing				<u>\$0</u>
Included above	<u>Fire Protection</u>				\$0
	Total Fire Protection				<u>\$0</u>
Included above	<u>Mechanical</u>				\$0
	Total Mechanical				<u>\$0</u>
Included above	<u>Electrical</u>				\$0
	Total Electrical				<u>\$0</u>
	Total Cost		<u>34,600</u>		<u>\$207,600</u>
General Conditions		8.00%			\$16,608
	Subtotal				<u>\$224,208</u>
Estimating Contingency		10.00%			\$22,421
Project Contingency		5.00%			\$11,210
	Total Direct Costs				<u>\$257,839</u>
Testing		0.97%			\$2,501
Utility Permits & Fees		4.85%			\$12,505
	Subtotal				<u>\$272,845</u>
Permits		0.50%			\$1,364
	Subtotal				<u>\$274,210</u>
CM Fees		3.00%			\$8,226
	Subtotal				<u>\$282,436</u>
General Liability		0.50%			\$1,412
	Subtotal				<u>\$283,848</u>
Architectural Fees		5.25%			\$14,902
	Subtotal				<u>\$298,750</u>
Fixtures Furnishings & Equipment - Allowance		0.00%			\$0
	Subtotal				<u>\$298,750</u>
Owners Rep Fee/Legal/Election & Bond issuance Cost		4.5%			\$13,444
	TOTAL COSTS			\$9.02	<u>\$312,194</u>

WEST BLOOMFIELD SCHOOLS
DISTRICT ASSESSMENT
WEST BLOOMFIELD, MICHIGAN
Transportation Maintenance

12/22/2016

DESCRIPTION	Unit of Meas.	Quantity	Unit Cost	Total Cost
<u>Sitework</u>				
NIC				\$0
Total Sitework				\$0
<u>Demolition</u>				
N / A				\$0
Total Demolition				\$0
<u>Architectural - New / Addition</u>				
NIC				\$0
Total Architectural - New / Addition				\$0
<u>Architectural - Renovation</u>				
Renovation	sqft	16,500	\$15.00	\$247,500
Replace fueling islands (two 10,000 gallon and one 5,000 gallon, pumps, canopy)	ipsm	1	\$400,000	\$400,000
Hazardous abatement for fueling island work	ipsm	1	\$100,000	\$100,000
Total Architectural -Renovation				\$747,500
<u>Equipment</u>				
NIC				\$0
Total Equipment				\$0
<u>Plumbing</u>				
Included above				\$0
Total Plumbing				\$0
<u>Mechanical</u>				
Included above				\$0
Total Mechanical				\$0
<u>Electrical</u>				
Included above				\$0
Total Electrical				\$0
Total Cost		<u>16,500</u>		<u>\$747,500</u>
General Conditions		8.00%		\$59,800
Subtotal				\$807,300
Estimating Contingency		10.00%		\$80,730
Project Contingency		5.00%		\$40,365
Total Direct Costs				\$928,395
Testing		1.98%		\$18,382
Utility Permits & Fees		3.97%		\$36,857
Subtotal				\$983,635
Permits		0.50%		\$4,918
Subtotal				\$988,553
CM Fees		3.00%		\$29,657
Subtotal				\$1,018,209
General Liability		0.50%		\$5,091
Subtotal				\$1,023,300
Architectural Fees		5.25%		\$53,723
Subtotal				\$1,077,024
Fixtures Furnishings & Equipment - Allowance		0.00%		\$0
Subtotal				\$1,077,024
Owners Rep Fee/Legal/Election & Bond issuance Cost		4.5%		\$48,466
TOTAL COSTS				\$68.21 \$1,125,490

**WEST BLOOMFIELD SCHOOLS
DISTRICT ASSESSMENT
WEST BLOOMFIELD, MICHIGAN
District Wide**

12/22/2016

DESCRIPTION	Unit of Meas.	Quantity	Unit Cost	Total Cost
<u>Bus and Maint. Vehicles</u>				
65 passenger conventional bus.	each	50	\$90,000	\$4,500,000
Maintenance equipment	each	1	\$128,000	\$128,000
Building security (card readers, cameras, etc.)	lpsm	1	\$1,628,777	\$1,628,777
Instructional technology	lpsm	1	\$6,200,000	\$6,200,000
Supplemental Music & Athletic Equipment	lpsm	1	\$1,000,000	\$1,000,000
				\$13,456,777
				\$605,555
Owners Rep Fee/Legal/Election & Bond issuance Cost	4.5%			\$605,555
Owners Contingency / Escalation	lpsm	1	\$3,377,747	\$3,377,747
TOTAL COSTS				\$17,440,079