

Summary of Costs

This summary totals the costs for each set of priorities as well as total costs.

It should be noted that costs are estimated costs and are subject to change due to specific site conditions, unforeseen items and market conditions. Time is also a big factor as demonstrated by the 2014 costs in comparison to the 2017 costs.

Summary of Costs				
Priority 1		2014		2017
Total - Murdock Elementary School - Priority 1		6,099,058		6,667,916
Total - Willows Intermediate School - Priority 1		3,930,598		4,297,138
Total - Willows High School - Priority 1		6,605,105		7,221,177
Total - Willows Community School		-		-
Totals		16,634,762		18,186,230
Priority 2				
Total - Murdock Elementary School - Priority 2		3,109,263		3,399,357
Total - Willows Intermediate School - Priority 2		279,299		305,358
Total - Willows High School - Priority 2		4,923,360		5,382,709
Total - Willows Community School		350,000		455,000
Totals		8,661,922		9,087,424
Priority 1 + 2				
Total - Murdock Elementary School - Priority 1 + 2		9,208,321		10,067,272
Total - Willows Intermediate School - Priority 1 + 2		4,209,897		4,602,496
Total - Willows High School - Priorities 1 + 2		11,528,465		12,603,886
Total - Willows Community School		350,000		455,000
Totals		25,296,684		27,728,655

Scope of Work
Murdock Elementary School

configuration k - 5 635 students
 site loading 47,966 sf
 building area 1950 / 51
 year built 1.30
 soft costs 109%
 inflation factor
 updated: 3/26/2014

Priority 1 scope of work	quantity	unit	unit cost	construction cost - 2014	total cost - 2014	construction cost - 2017	total cost - 2017
ADA - Accessibility Improvements							
ADA assessment and transition plan	47,966	sf	0.12	5,756	7,483	6,293	8,181
parking lot improvements							
signage	1	ls	750.00	750	975	820	1,066
parking stalls striping	4	ea	250.00	1,000	1,300	1,093	1,421
drop zone	1	ea	7500.00	7,500	9,750	8,200	10,660
accessible transition ramps	1	ea	2500.00	2,500	3,250	2,733	3,553
path of travel	2400	sf	16.00	38,400	49,920	41,983	54,578
building signage	52	ea	125.00	6,500	8,450	7,106	9,238
replace doors (80%)	41	ea	900.00	36,900	47,970	40,343	52,446
replace door hdw, thresholds	52	ea	1500.00	78,000	101,400	85,277	110,861
misc upgrades	47,966	ls	1.50	71,949	93,534	78,662	102,260
total - ADA					324,031		354,264

Bathroom Remodel							
remodel student toilets	1,650	sf	325.00	536,250	697,125	586,282	762,167
remodel staff toilets	456	sf	350.00	159,600	207,480	174,491	226,838
	-	sf	350.00	-	-	-	-
total - toilets					904,605		989,005

Interior Improvements											
floor coverings (carpet) includes base	47,966	sf				4.88	234,074	304,296	255,913	332,687	saylor
VAT removal / abatement	47,966	sf				2.50	119,915	155,890	131,103	170,434	
walls (paint)	47,966	sf				2.25	107,924	140,301	117,993	153,391	saylor
ceilings (replace tiles)	47,966	sf				3.50	167,881	218,245	183,544	238,608	saylor
additional power outlets	22	cr				1500.00	33,000	42,900	36,079	46,903	
total - interior								861,632			942,022

General Bldg Improvements											
site allowance for misc needs	47,966	sf				2.00	95,932	124,712	104,882	136,347	saylor
kitchen hood replacement includes MAU	1	ls				35000.00	35,000	45,500	38,266	49,745	
total - general								170,212			186,092

Mechanical Systems											
replace HVAC system	47,966	sf				28.00	1,343,048	1,745,962	1,468,354	1,908,861	CECI
includes boiler, chiller and classroom heat pumps									-	-	
includes gym unit replacement									-	-	
total - mechanical								1,745,962			1,908,861

Infrastructure Improvements											
technology distribution	47,966	sf				1.85	88,737	115,358	97,016	126,121	
fire alarm	47,966	sf				3.75	179,873	233,834	196,655	255,651	
telephone	47,966	sf				1.00	47,966	62,356	52,441	68,174	
clocks / bells	47,966	sf				1.50	71,949	93,534	78,662	102,260	
total - infrastructure								505,082			552,206

Exterior Improvements											
roofing (remove & replace)	47,966	sf				12.00	575,592	748,270	629,295	818,083	

roof abatement	47,966	sf	1.50	71,949	93,534	78,662	102,260
modify toilet room roofs	1,450	sf	50.00	72,500	94,250	79,264	103,044
replace skylights	8	ea	2500.00	20,000	26,000	21,866	28,426
paint exterior	-	sf	1.75	-	-	-	-
replace classroom windows	5,000	sf	65.00	325,000	422,500	355,323	461,919
includes demo and prep							
infill north clerestory windows	3,700	sf	32.00	118,400	153,920	129,447	168,281
replace admin windows	350	sf	65.00	22,750	29,575	24,873	32,334
replace kindergarten sliding doors	112	sf	120.00	13,440	17,472	14,694	19,102
total - exterior					1,585,520		1,733,449

Total - Murdock Elementary School - Priority 1 **6,097,044** **6,665,899**

Priority 2	quantity	unit	unit cost	construction cost - 2014	total cost - 2014	construction cost - 2017	total cost - 2017
scope of work							
Interior Improvements							
admin office reconfiguration	1,800	sf	90.00	162,000	210,600	177,115	230,249
stage door replacements	1	ls	55000.00	55,000	71,500	60,132	78,171
acoustic improvements in gym	1	ls	25000.00	25,000	32,500	27,333	35,532
projection screen	1	ls	15000.00	15,000	19,500	16,400	21,319
replace/relocate freezer	1	ls	125000.00	125,000	162,500	136,663	177,661
total					496,600		542,933

Exterior Improvements							
paint exterior	47,966	sf	1.75	83,941	109,123	91,772	119,304
total - exterior					109,123		119,304

Portable Replacement w/ Portables	includes concrete foundations and signal systems							
	quantity	unit	unit cost	construction cost - 2014	total cost - 2014			
demolish (e) portables	6,720	sf	5.00	33,600	43,680		36,735	47,755
site prep and utilities	8	ea	40000.00	320,000	416,000		349,856	454,813
5 classrooms (960sf each)	5	ea	115000.00	575,000	747,500		628,648	817,242
computer lab and library (1920 sf)	2	ea	125000.00	250,000	325,000		273,325	355,323
toilet building	1	ea	145000.00	145,000	188,500		158,529	206,087
support space (960)	1	ea	125000.00	125,000	162,500		136,663	177,661
includes 2 student @ 600sf and 1 staff @ 80sf								
total - portables						1,883,180		2,058,881

PE Room & Band Room (Portable)	includes concrete foundations and signal systems							
	quantity	unit	unit cost	construction cost - 2014	total cost - 2014			
flex room (1920)	1	ea	230000.00	230,000	299,000		251,459	326,897
utilities and site work	1	ls	90000.00	90,000	117,000		98,397	127,916
total						416,000		454,813

Site Improvements								
	quantity	unit	unit cost	construction cost - 2014	total cost - 2014			
shade structure	2,400	sf	30.00	72,000	93,600		78,718	102,333
fencing allowance	300	lf	34.00	10,200	13,260		11,152	14,497
entry fence and gates	-	lf	150.00	-	-		-	-
relocate maintenance building	1	ls	75000.00	75,000	97,500		81,998	106,597
total - site						204,360		223,427

	2014	2017
Total - Murdock Elementary School - Priority 2	3,109,263	3,399,357

Total - Murdock Elementary School - Priority 1 + 2	9,206,307	10,065,255
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Option 1	quantity	unit	unit cost	construction cost - 2014	total cost - 2014	construction cost - 2017	total cost - 2017
scope of work							
Portable Replacement w/ Permanent							
demolish (e) portables	6,720	sf	5.00	33,600	43,680	36,735	47,755

site prep and utilities	1	ls	350,000.00	350,000	455,000		382,655	497,452
new permanent building	7,392	sf	275.00	2,032,800	2,642,640		2,222,460	2,889,198
includes 5 classrooms, library, computer lab, intervention rooms and mechanical space								
new permanent toilets	680	sf	450.00	306,000	397,800		334,550	434,915
includes 2 student @ 600sf and 1 staff @ 80sf								
total						3,539,120		3,869,320

Scope of Work
Willows Intermediate School

6 - 8

configuration 456 stdts
 site loading 42,769 sf

building area 1975

year built 1.30 age 39 years

soft costs 109.33%

inflation factor 4/1/2014

updated:

Priority 1 scope of work	quantity	unit	unit cost	construction cost - 2014	total cost - 2014	construction cost - 2017	total cost - 2017
ADA - Accessibility Improvements							
ADA assessment and transition plan	42,769	sf	0.12	5,132	6,672	5,611	7,294
parking lot improvements							
signage	1	ls	750.00	750	975	820	1,066
parking stalls	4	ea	250.00	1,000	1,300	1,093	1,421
drop zone	1	ea	7500.00	7,500	9,750	8,200	10,660
accessible transition ramps	1	ea	2500.00	2,500	3,250	2,733	3,553
path of travel	4000	sf	16.00	64,000	83,200	69,971	90,963
building signage	52	ea	125.00	6,500	8,450	7,106	9,238
replace doors (20%, ext)	10	ea	900.00	9,000	11,700	9,840	12,792
replace door hdw, thresholds	52	ea	1600.00	83,200	108,160	90,963	118,251
misc upgrades	42,769	ls	1.50	64,154	83,400	70,139	91,181
total - ADA					316,857		346,419

Toilet / Lockers Remodel	quantity	unit	unit cost	construction cost - 2014	total cost - 2014	construction cost - 2017	total cost - 2017
remodel student toilets	854	sf	325.00	277,550	360,815	303,445	394,479
remodel staff toilets	120	sf	350.00	42,000	54,600	45,919	59,694
locker room remodel	3,150	sf	95.00	299,250	389,025	327,170	425,321
total - toilets					804,440		879,494

Interior Improvements										
floor coverings	26,000	sf	4.88	126,880	164,944			138,718	180,333	SWG
100, 300A, cafeteria, kit, band walls	32,300	sf	2.25	72,675	94,478			79,456	103,292	
ceilings	32,300	sf	3.50	113,050	146,965			123,598	160,677	
additional power outlets	13	cr	1500.00	19,500	25,350			21,319	27,715	
total - interior						431,737				472,018

General Bldg Improvements										
site allowance for misc needs	42,769	sf	2.00	85,538	111,199			93,519	121,574	saylor
kitchen hood replacement	-	ls	25000.00	-	-			-	-	
total - general						111,199				121,574

Infrastructure Improvements										
technology distribution	42,769	sf	1.85	79,123	102,859			86,505	112,456	SWG
fire alarm	42,769	sf	3.75	160,384	208,499			175,348	227,952	SWG
telephone	-	sf	1.00	-	-			-	-	SWG
clocks / bells	-	sf	1.50	-	-			-	-	SWG
total - infrastructure						311,358				340,408

Exterior Improvements										
roofing (remove & replace)	-	sf	12.00	-	-			-	-	SWG
paint exterior	-	sf	1.75	-	-			-	-	SWG
total - exterior						-				-

Portable Replacement										
demolish (e) portables	7,680	sf	6.00	46,080	59,904			50,379	65,493	
demolish (e) toilet bldg	1	ls	5000.00	5,000	6,500			5,467	7,106	
site prep and utilities	1	ls	260000.00	260,000	338,000			284,258	369,535	

new portable classrooms	4	ea	115000.00	460,000	598,000	502,918	653,793
new portable toilets	720	sf	325.00	234,000	304,200	255,832	332,582
total - portables						1,306,604	1,428,510

Other Work							
upgrade bleachers	1	ls	17500.00	17,500	22,750	19,133	24,873
replace bleachers	-	seat	125.00	-	-	-	bid
total - other					22,750		24,873

Site Improvements							
AC paving - demo	93,150	sf	0.90	83,835	108,986	91,657	119,154 wce
AC paving - lime treat	93,150	sf	1.00	93,150	121,095	101,841	132,393 wce
AC paving - new	93,150	sf	3.25	302,738	393,559	330,983	430,278 wce
total - site						623,639	681,825

						2014	2017
Total - Willows Intermediate School - Priority 1						3,930,598	4,297,138

Priority 2 scope of work	quantity	unit	unit cost	construction cost - 2014	total cost - 2014	construction cost - 2017	total cost - 2017
Interior Finishes							
floor coverings	-	sf	4.88	-	-	-	SWG
walls (all except gym/lkrs)	-	sf	2.25	-	-	-	-
ceilings (all except gym/lkrs)	-	sf	3.50	-	-	-	-
total - interior							-

Mechanical Systems							
evap cooling (lkr rms only)	3,150	sf	30.00	94,500	122,850	103,317	134,312
total - mechanical					122,850		134,312

Exterior Improvements							
paint exterior	42,769	sf	1.75	74,846	97,299	81,829	106,378 SWG
total - exterior						97,299	106,378

Other Work							
replace bleachers	300	seat	135.00	40,500	52,650	44,279	57,562 bid
power for bleachers	1	ls	5000.00	5,000	6,500	5,467	7,106
fencing allowance	-	lf	34.00	-	-	-	-
entry fence and gates	-	lf	125.00	-	-	-	-
total - other						59,150	64,669

	2014	2017
Total - Willows Intermediate School - Priority 2	279,299	305,358

Total - Willows Intermediate School - Priority 1 + 2	4,209,897	4,602,496
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floor coverings	6,600	sf	4.88	32,208	41,870	35,213	45,777	SWG
300 wing, lib wkrm, 201								
VAT abatement	6,600	sf	2.50	16,500	21,450	18,039	23,451	SWG
walls	6,600	sf	2.25	14,850	19,305	16,236	21,106	
ceilings	6,600	sf	3.50	23,100	30,030	25,255	32,832	SWG
lighting (fluorescent 2x4 drop-in)	6,600	sf	10.00	66,000	85,800	72,158	93,805	SWG
additional power outlets	22	cr	1500.00	33,000	42,900	36,079	46,903	
total - classroom improvements						198,455		216,971

General Bldg Improvements								
site allowance for misc needs	87,600	sf	2.00	175,200	227,760	191,546	249,010	saylor
kitchen hood replacement	1	ls	35000.00	35,000	45,500	38,266	49,745	
includes MAU								
total - exterior						273,260		298,755

Mechanical Systems								
new HVAC (gym, MP, stage)	30,892	sf	38.00	1,173,896	1,526,065	1,283,420	1,668,447	
welding ventilation system	1	ls	72000.00	72,000	93,600	78,718	102,333	
includes MUA								
total - exterior						1,619,665		1,770,780

Infrastructure Improvements								
technology distribution	87,600	sf	1.85	162,060	210,678	177,180	230,334	SWG
fire alarm (upgrades)	87,600	sf	1.75	153,300	199,290	167,603	217,884	SWG
telephone	-	sf	1.00	-	-	-	-	SWG
clocks / bells / intercom	87,600	sf	2.25	197,100	256,230	215,489	280,136	SWG
total - infrastructure						666,198		728,354

Exterior Improvements								
roofing (remove & replace)	87,600	sf	12.00	1,051,200	1,366,560	1,149,277	1,494,060	SWG

replace classroom windows	16,000	sf	65.00	1,040,000	1,352,000	1,137,032	1,478,142	winco
total - exterior						1,352,000		1,478,142

Mechanical Systems								
new HVAC	56,700	sf	34.00	1,927,800	2,506,140	2,107,664	2,739,963	
total - exterior						2,506,140		2,739,963

Site Improvements								
AC paving - demo - courts	18,000	sf	0.90	16,200	21,060	17,711	23,025	wce
AC paving - lime treat - courts	18,000	sf	1.00	18,000	23,400	19,679	25,583	wce
AC paving - new - courts	18,000	sf	3.10	55,800	72,540	61,006	79,308	wce
basketball backstops	6	ea	2600.00	15,600	20,280	17,055	22,172	
storm drain extensions	400	lf	42.00	16,800	21,840	18,367	23,878	wce
storm drain inlets	8	ea	2000.00	16,000	20,800	17,493	22,741	wce
new greenhouse	2,400	sf	75.00	180,000	234,000	196,794	255,832	
entry fence and gates	-	lf	150.00	-	-	-	-	
fencing allowance	300	lf	34.00	10,200	13,260	11,152	14,497	saylor
total - exterior						427,180		467,036

	2014	2017
Total - Willows High School - Priority 2	4,923,360	5,382,709

Total - Willows High School - Priorities 1 + 2	11,528,465	12,603,886
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