

New America School

New Mexico



New Construction (Phased)

2017



Contents

Phased Costs

Phase 1A – Field Construction Cost

Phase 1B – Parking Construction Cost

Complete Construction Cost

NAS Albuquerque Phased Construction Cost Estimate
08/09/2016

Item	SF or CF/Scope	Unit Cost	Sub-Cost	Total Cost
Phase 1A - Land Purchase & Fields				
Property Purchase - Assume Appraisal Amount		\$195,000		
Field Construction		\$257,952		
Design [% Construction]	6%	\$15,477		
Owner's Representative	LS	\$5,000		
			\$473,429	\$473,429
Phase 1A + 1B - Land Purchase & Fields/Parking				
Property Purchase - Assume Appraisal Amount		\$195,000		
Field Construction		\$257,952		
Parking Construction		\$234,316		
Design [% Construction]	6%	\$29,536		
Owner's Representative	LS	\$5,000		
			\$721,804	\$721,804
Phase 2 - Building & Remaining Scope				
<u>Construction</u>				
New Building				
Cost Estimate per Klinger Construction - attached	19,960		\$3,079,092	
Contingency per Klinger Construction			\$200,000	
Subtotal			\$3,279,092	
<u>Construction Related</u>				
Design [% of construction]	6%		\$184,746	
Permit - \$26,288 in Klinger Estimate			\$0	
Contingency in Klinger Estimate			\$0	
Total Building			\$3,463,838	
<u>Other</u>				
Due Diligence				
			\$5,000	
			\$1,500	
			\$2,000	
			\$5,000	
IT	LS		\$70,000	
Security - incl cameras, access	LS		\$55,000	
Owner's Representative	LS		\$55,000	
FFE - Assume \$5,000/CR Plus Admin/Commons - \$5,000			\$65,000	
Special Inspections in Klinger Estimate	LS		\$0	
Locks/Keys	LS		\$8,000	
Subtotal			\$266,500	
Property Purchase - Assume Appraisal Amount			\$195,000	
Grand Total			\$3,925,338	
Phase 2 Cost if Phase 1A Implemented				
Grand Total - Phase 1A Cost and add \$30,000				\$3,481,908
Phase 2 Cost if Phase 1A + 1B Implemented				
Grand Total - 1A + 1B Cost and add \$30,000				\$3,233,533
Totals exclude Legal Fees and Finance Fees				

Group	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
1000.00		DIVISION 1 REQUIREMENTS			
	1100.00	Division 1 Requirements			
		Cell Phones	1.50 MO	100.00 /MO	150
		Superintendent	1.50 MO	12,743.51 /MO	19,115
		Surveyor	1.00 LS	7,500.00 /LS	7,500
		Weekly Cleanup	6.00 WK	183.98 /WK	1,104
		Dumpster	2.00 EA	375.00 /EA	750
		Final Cleanup	1.00 LS	1,000.00 /LS	1,000
		First Aid Supplies	1.00 LS	150.00 /LS	150
		Air Card	1.50 MO	100.00 /MO	150
		Soil Testing	1.00 LS	6,500.00 /LS	6,500
		Temp. Electric System	1.50 MO	2,000.00 /MO	3,000
		Electric Power Usage	1.50 MO	400.00 /MO	600
		Water Usage	1.50 MO	100.00 /MO	150
		Job Fence - Temporary	750.00 LF	3.00 /LF	2,250
		Equipment Repair	1.00 LS	350.00 /LS	350
		Gas & Oil	1.50 MO	1,200.00 /MO	1,800
		Division 1 Requirements		/mnt h	44,569
	1500.00	Equipment			
		Office Trailer - Medium	1.50 MO	231.00 /MO	347
		Storage Container	1.50 MO	120.00 /MO	180
		Pickup	1.50 MO	1,500.00 /MO	2,250
		Water Wagon	1.50 MO	756.00 /MO	1,134
		Generators 3k-6k	1.50 MO	546.00 /MO	819
		Total Station	1.50 MO	945.00 /MO	1,418
		Equipment		/mnt h	6,147
		DIVISION 1 REQUIREMENTS			50,716
2100.00		EARTHWORK			
	2105.00	EARTHWORK			
		Earthwork Fields	1.00 LS	30,000.00 /LS	30,000
		EARTHWORK			30,000
		EARTHWORK			30,000
2500.00		PAVING/WALKS/RET WALLS			
	2505.00	SITE PAVING and CONCRETE			
		Concrete Paving Basketball courts	4,805.00 sf	6.35 /sf	30,519
		SITE PAVING and CONCRETE			30,519
		PAVING/WALKS/RET WALLS		/sqf t	30,519
2890.00		SITE LANDSCAPING			
	2900.00	Landscape-General			
		Soccer Field	19,549.00 SF	4.23 /SF	82,777
		Landscape-General		/sub	82,777
		SITE LANDSCAPING			82,777
11000.00		EQUIPMENT			
	11050.00	EQUIPMENT			
		Basketball equipment	2.00 ea	1,469.00 /ea	2,938
		Soccer Equipemnt	2.00 ea	900.00 /ea	1,800
		EQUIPMENT			4,738
		EQUIPMENT			4,738

Estimate Totals

Description	Amount	Totals	Hours	Rate
Labor	20,219		96.198 hrs	
Material	12,100			
Subcontract	160,284			
Equipment	6,147			
Other	_____			
	198,750	198,750		
Albq Plancheck & Permit	4,497			
Builder's Risk Insurance	258			0.100 %
Liability Insurance	1,548			0.600 %
Errors & Omiss. on Design/Build	516			0.200 %
Fugitive Dust Permit Fees	1,200			
Contingency	20,000			
Overhead & Profit	13,606			6.000 %
NM Gross Receipts Tax	17,577			7.313 %
Total		257,952		

Cost Basis	Cost per Unit	Percent of Total
		7.84%
		4.69%
		62.14%
		2.38%
		<hr/>
		77.05
B		1.74%
T		0.10%
T		0.60%
T		0.20%
L		0.47%
L		7.75%
T		5.27%
T		6.81%

Group	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
1000.00		DIVISION 1 REQUIREMENTS			
	1100.00	Division 1 Requirements			
		Cell Phones	0.75 MO	100.00 /MO	75
		Superintendent	0.75 MO	12,743.49 /MO	9,558
		Surveyor	1.00 LS	1,800.00 /LS	1,800
		Weekly Cleanup	3.00 WK	183.98 /WK	552
		Dumpster	1.00 EA	375.00 /EA	375
		Final Cleanup	1.00 LS	500.00 /LS	500
		First Aid Supplies	1.00 LS	150.00 /LS	150
		Air Card	1.00 MO	100.00 /MO	100
		Soil Testing	1.00 LS	3,500.00 /LS	3,500
		Temp. Electric System	0.75 MO	2,000.00 /MO	1,500
		Electric Power Usage	0.75 MO	400.00 /MO	300
		Water Usage	1.50 MO	100.00 /MO	150
		Job Fence - Temporary	500.00 LF	3.00 /LF	1,500
		Equipment Repair	1.00 LS	350.00 /LS	350
		Gas & Oil	0.75 MO	1,200.00 /MO	900
		Division 1 Requirements		/mnt h	21,310
	1500.00	Equipment			
		Storage Container	0.75 MO	120.00 /MO	90
		Pickup	0.75 MO	1,500.00 /MO	1,125
		Water Wagon	0.75 MO	756.00 /MO	567
		Generators 3k-6k	0.75 MO	546.00 /MO	410
		Total Station	0.75 MO	945.00 /MO	709
		Equipment		/mnt h	2,900
		DIVISION 1 REQUIREMENTS			24,210
2100.00		EARTHWORK			
	2105.00	EARTHWORK			
		Earthwork Fie Parking lot	1.00 LS	15,000.00 /LS	15,000
		EARTHWORK			15,000
		EARTHWORK			15,000
2500.00		PAVING/WALKS/RET WALLS			
	2505.00	SITE PAVING and CONCRETE			
		Asphalt Paving	21,000.00 SF	3.18 /SF	66,691
		Pavement Striping	1.00 ls	4,234.00 /ls	4,234
		Concrete Curb & Gutter	900.00 LF	16.50 /LF	14,850
		SITE PAVING and CONCRETE			85,775
		PAVING/WALKS/RET WALLS		/sqf t	85,775
2600.00		SITE UTILITIES			
	2612.00	Site Utilities			
		Domestic Water Allowance	1.00 LF	21,172.00 /LF	21,172
		Sewer Allowance	1.00 LF	21,172.00 /LF	21,172
		Hydrants Allowance	1.00 LF	31,758.00 /LF	31,758
		Site Utilities		/lnft	74,102
		SITE UTILITIES			74,102

Estimate Totals

Description	Amount	Totals	Hours	Rate
Labor	10,110		56.724 hrs	
Material	7,025			
Subcontract	179,052			
Equipment	2,900			
Other				
	<u>199,087</u>	<u>199,087</u>		
Albq Plancheck & Permit	4,294			
Builder's Risk Insurance	234			0.100 %
Liability Insurance	1,406			0.600 %
Errors & Omis. on Design/Build	469			0.200 %
Fugitive Dust Permit Fees	500			
Overhead & Profit	12,359			6.000 %
NM Gross Receipts Tax	15,967			7.313 %
Total		234,316		

Cost Basis	Cost per Unit	Percent of Total
		4.31%
		3.00%
		76.41%
		1.24%
		<hr/>
		84.97
B		1.83%
T		0.10%
T		0.60%
T		0.20%
L		0.21%
T		5.27%
T		6.81%

Group	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
1000.00		DIVISION 1 REQUIREMENTS			
	1100.00	Division 1 Requirements			
		Cell Phones	7.00 MO	211.72 /MO	1,482
		Superintendent	7.00 MO	12,655.64 /MO	88,589
		Watchman/Security	5.00 MO	1,429.10 /MO	7,145
		Surveyor	1.00 LS	19,054.60 /LS	19,055
		Building Layout	16,600.00 SF	0.43 /SF	7,172
		Interior Layout	16,600.00 SF	0.25 /SF	4,093
		Weekly Cleanup	30.00 WK	155.07 /WK	4,652
		Dumpster	7.00 MO	396.97 /MO	2,779
		Final Cleanup	16,600.00 SF	0.32 /SF	5,293
		First Aid Supplies	7.00 MO	158.79 /MO	1,112
		Air Card	7.00 MO	105.86 /MO	741
		Soil Testing	1.00 LS	15,878.83 /LS	15,879
		Temp. Electric System	7.00 MO	2,268.41 /MO	15,879
		Electric Power Usage	7.00 MO	529.29 /MO	3,705
		Water Usage	7.00 MO	158.79 /MO	1,112
		Safety Supplies	7.00 MO	317.58 /MO	2,223
		Equipment Repair	7.00 LS	370.51 /LS	2,594
		Gas & Oil	7.00 MO	1,587.88 /MO	11,115
		Job Office Supplies	7.00 MO	105.86 /MO	741
		Division 1 Requirements		/month	195,360
	1500.00	Equipment			
		Office Trailer - Medium	7.00 MO	529.29 /MO	3,705
		Storage Container	7.00 MO	158.79 /MO	1,112
		Pickup	7.00 MO	1,587.88 /MO	11,115
		Water Wagon	7.00 MO	800.29 /MO	5,602
		Forklift - high lift 8000-42ft	4.00 MO	2,734.34 /MO	10,937
		Skid Loader	4.00 MO	1,845.12 /MO	7,380
		Backhoes	4.00 MO	2,111.89 /MO	8,448
		Whackers (Jumping Jack)	2.00 MO	465.78 /MO	932
		Plate Tampers	4.00 MO	301.70 /MO	1,207
		Generators 3k-6k	7.00 MO	577.99 /MO	4,046
		Total Station	7.00 MO	1,000.37 /MO	7,003
		Equipment		/month	61,486
		DIVISION 1 REQUIREMENTS			256,846
2100.00		EARTHWORK			
	2105.00	EARTHWORK			
		Earthwork Buidling	1.00 CY	52,929.45 /CY	52,929
		Earthwork Fields	1.00 CY	47,636.51 /CY	47,637
		EARTHWORK			100,566
		EARTHWORK			100,566
2500.00		PAVING/WALKS/RET WALLS			
	2505.00	SITE PAVING and CONCRETE			
		Asphalt Paving	21,000.00 SF	3.18 /SF	66,691
		Concrete Curb & Gutter	900.00 LF	19.06 /LF	17,149
		Concrete Paving	4,805.00 SF	6.35 /SF	30,519
		SITE PAVING and CONCRETE			114,359
	2580.00	Paving Marking			
		Pavement Markings & Signage	1.00 LS	4,234.35 /LS	4,234
		Paving Marking		/Inft	4,234
		PAVING/WALKS/RET WALLS		/sqft	118,594
2600.00		SITE UTILITIES			
	2612.00	Site Utilities			

Group	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
	2612.00	Site Utilities			
		Domestic water Allowance	1.00 LF	21,171.78 /LF	21,172
		Sewer	LF	/LF	21,172
		Hydrants	LF	/LF	31,758
		Site Utilities		/lnft	74,101
		SITE UTILITIES			74,101
2830.00		SITE FENCE BARRIERS SIGNS			
	2831.00	Fence - Chain Link			
		Fence Fabric Chain Link 9ga 6'	1,188.00 LF	19.90 /LF	23,638
		Fence - Chain Link		/lnft	23,638
		SITE FENCE BARRIERS SIGNS			23,638
2890.00		SITE LANDSCAPING			
	2900.00	Landscape-General			
		Site Landscape & Irrigation	24,626.00 SF	3.18 /SF	78,206
		Soccer Field	19,549.00 SF	4.23 /SF	82,777
		Landscape-General		/sub	160,984
		SITE LANDSCAPING			160,984
3000.00		CONCRETE			
	3100.00	CONCRETE			
		Foundation	8,300.00 SF	15.89 /SF	131,920
		CONCRETE			131,920
		CONCRETE			131,920
6000.00		WOOD & PLASTICS			
	6050.00	CARPENTRY			
		Wood Framing Allowance	16,600.00 SF	15.88 /SF	263,589
		Millwork	50.00 LF	264.65 /LF	13,232
		CARPENTRY			276,821
		WOOD & PLASTICS			276,821
7000.00		THERMAL & MOISTURE PROT			
	7501.00	Roofing Subcontract			
		Roofing Sub	16,600.00 SF	6.35 /SF	105,435
		Roofing Subcontract		/sqft	105,435
		THERMAL & MOISTURE PROT			105,435
8000.00		DOORS & WINDOWS			
	8210.00	Doors - Wood			
		Interior	25.00 EA	1,387.31 /EA	34,683
		Exterior	6.00 EA	1,387.31 /EA	8,324
		Doors - Wood		/each	43,007
	8520.00	Windows - Aluminum			
		Storefront Allowance	2,000.00 SF	153.38 /SF	306,767
		Windows - Aluminum		/each	306,767
		DOORS & WINDOWS			349,773
9000.00		FINISHES			
	9050.00	FINISHES			
		EIFS	11,910.00 SF	7.20 /SF	85,733
		Painting	40,660.00 SF	0.95 /SF	38,738
		Acoustical Ceiling	16,600.00 SF	3.18 /SF	52,718
		Ceramic Tile Floors	910.00 SF	12.70 /SF	11,560
		Ceramic Tile Walls	2,300.00 SF	10.59 /SF	24,348
		Flooring Allowance	15,700.00 SF	5.29 /SF	83,099

Group	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
		FINISHES			296,195
		FINISHES			296,195
10000.00		SPECIALTIES			
	10160.00	Toilet Partition Metal			
		Number of Toilet Partitions	8.00 EA	729.74 /EA	5,838
		Toilet Partition Metal		/each	5,838
	10523.00	Fire Extinguishr Portable			
		Fire Extinguisher	16.00 EA	272.53 /EA	4,360
		Fire Extinguishr Portable		/each	4,360
	10800.00	Misc Toilet/Bath Equip			
		Misc. Toilet Accessories	8.00 EA	669.98 /EA	5,360
		Misc Toilet/Bath Equip		/sqft	5,360
		SPECIALTIES			15,558
11000.00		EQUIPMENT			
	11050.00	EQUIPMENT			
		Basketball equipemnt	2.00 ea	2,938.97 /ea	5,878
		Soccer Equipement	2.00 ea	1,880.39 /ea	3,761
		EQUIPMENT			9,639
		EQUIPMENT			9,639
14000.00		CONVEYNG SYSTEMS			
	14241.00	Elevator Passenger Hydrlic			
		Elevator Hydrlic 3000# 100 fpm	1.00 EA	52,929.45 /EA	52,929
		Elevator Passenger Hydrlic		/each	52,929
		CONVEYNG SYSTEMS			52,929
15000.00		MECHANICAL			
	15100.00	Plumbing			
		Plumbing	16,600.00 SF	7.41 /SF	123,008
		Plumbing		/sqft	123,008
	15400.00	Fire Protection			
		Fire Sprinkler	16,600.00 SF	2.38 /SF	39,538
		Fire Protection		/sqft	39,538
	15700.00	HVAC			
		HVAC	16,600.00 SF	15.88 /SF	263,589
		Building Controls	16,600.00 SF	2.12 /SF	35,145
		HVAC			298,734
		MECHANICAL			461,280
16000.00		ELECTRICAL			
	16100.00	Electrical			
		Electrical	16,600.00 SF	19.06 /SF	316,306
		Fire Alarm System	16,600.00 SF	2.12 /SF	35,145
		Telcom / Data system	16,600.00 SF	/SF	
		Telcom / Data system	SF	/SF	
		Telcom / Data system	SF	/SF	
		Electrical		/sqft	351,452
		ELECTRICAL			351,452

Estimate Totals

Description	Amount	Totals	Hours	Rate
Labor	440,266		9,463.278 hrs	
Material	210,717			
Subcontract	2,063,678			
Equipment	71,071			
Other				
	2,785,732	2,785,732		
Albq Plancheck & Permit	25,288			
Builder's Risk Insurance	6,558			0.200 %
Liability Insurance	29,512			0.900 %
Errors & Omis. on Design/Build	6,558			0.200 %
Fugitive Dust Permit Fees	2,000			
Contingency	200,000			
NM Gross Receipts Tax	223,444			7.313 %
Total		3,279,092		

Cost Basis	Cost per Unit	Percent of Total
	27.312 /sf	13.43%
	13.072 /sf	6.43%
	128.020 /sf	62.93%
	4.409 /sf	2.17%
	<hr/>	
	172.812 /sf	84.95
	<hr/>	
B	1.569 /sf	0.77%
T	0.407 /sf	0.20%
T	1.831 /sf	0.90%
T	0.407 /sf	0.20%
L	0.124 /sf	0.06%
L	12.407 /sf	6.10%
L		
L		
T	13.861 /sf	6.81%
	203.418 /sf	