



Providence Water Supply Board
New Campus Budget
Revised

(a)

7/31/2013

Estimator tfxs



**Providence Water Supply Board
New Campus Budget
Revised**

7/31/2013

Bid Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
1 Admin Bldg		60,000 sf			
	1000.103	PROJECT SUPERVISION			
		Project Executive 1 day a week	54.00 wk	1,128.00 /wk	60,912
		Project Manager	54.00 wk	3,584.00 /wk	193,536
		Project Engineer	54.00 wk	2,400.00 /wk	129,600
		Purchasing Agent	6.00 wk	3,560.00 /wk	21,360
		Purchasing Secretary Half time	6.00 wk	560.00 /wk	3,360
		Safety Officer Half Day a week'	52.00 wk	274.00 /wk	14,248
		Administrative Assistant (on-site)	54.00 wk	1,400.00 /wk	75,600
		Project Superintendent	54.00 wk	3,280.00 /wk	177,120
		Cost Control Management 2 days a week	54.00 wk	736.00 /wk	39,744
		PROJECT SUPERVISION			715,480
	1000.107	MISC GENERAL EXPENSES			
		Small Tools	12.00 mnth	275.00 /mnth	3,300
		Expendable Tools	12.00 mnth	125.00 /mnth	1,500
		Consumable Supplies	12.00 mnth	200.00 /mnth	2,400
		Water, Ice and Cups	12.00 mnth	200.00 /mnth	2,400
		MISC GENERAL EXPENSES			9,600
	1000.202	PRECONSTRUCTION SERVICES			
		Project Executive	70.00 mh	141.00 /mh	9,870
		Senior Estimator / Planner	240.00 mh	101.00 /mh	24,240
		Mech / Elec Coordinator	120.00 mh	91.50 /mh	10,980
		Reimbursable Expenses Allowance	1.00 lsum	7,500.00 /lsum	7,500
		PRECONSTRUCTION SERVICES			52,590
	1000.300	SUBMITTALS & CONSULTANTS			
		Construction Schedule	12.00 ea	576.00 /ea	6,912
		Drawing / Document Reproduction	50.00 set	250.00 /set	12,500
		As Built Documentation	1.00 lsum	7,500.00 /lsum	7,500
		Job Photographs	12.00 mnth	100.00 /mnth	1,200
		SUBMITTALS & CONSULTANTS			28,112
	1000.400	QUALITY CONTROL			
		Testing and Inspection	1.00 lsum	25,000.00 /lsum	25,000
		Mock-ups	1.00 lsum	7,500.00 /lsum	7,500
		QUALITY CONTROL			32,500
	1000.510	TEMPORARY UTILITIES			
		Temporary Electric Power Consumption	12.00 mnth	2,500.00 /mnth	30,000
		Temporary Heating System	4.00 mnth	5,000.00 /mnth	20,000
		Temporary Heat - Fuel Consumption	4.00 mnth	15,000.00 /mnth	60,000
		Telephone Connection Cost	1.00 lsum	2,500.00 /lsum	2,500
		Telephone Usage Charge	12.00 mnth	1,000.00 /mnth	12,000
		Temporary Water Service	1.00 lsum	1,000.00 /lsum	1,000
		Temporary Water Usage Charge	12.00 mnth	200.00 /mnth	2,400
		Temporary Toilets	12.00 mnth	450.00 /mnth	5,400
		Fire Extinguishers	8.00 ea	175.00 /ea	1,400
		TEMPORARY UTILITIES			134,700
	1000.530	BARRIERS & ENCLOSURES			
		Barricades	150.00 lf	25.00 /lf	3,750
		Temporary Fence	800.00 lf	12.00 /lf	9,600
		BARRIERS & ENCLOSURES			13,350



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1000.540		SECURITY & SAFETY			
		Personal Protection Equipment	12.00 mnth	125.00 /mnth	1,500
		Safety Supplies	12.00 mnth	150.00 /mnth	1,800
		First Aid Supplies	12.00 mnth	250.00 /mnth	3,000
		SECURITY & SAFETY			6,300
1000.560		TEMPORARY CONTROLS			
		Daily Housekeeping	52.00 wk	2,720.00 /wk	141,440
		Rubbish / Dumpster Pulls	30.00 load	600.00 /load	18,000
		Final Cleanup (Sub)	60,000.00 sf	0.55 /sf	33,000
		Snow Removal	7.00 strm	750.00 /strm	5,250
		Weather Protection	4.00 mnth	7,500.00 /mnth	30,000
		TEMPORARY CONTROLS			227,690
1000.580		PROJECT SIGNS			
		Project Signs	1.00 ea	1,500.00 /ea	1,500
		Safety Signs	25.00 ea	40.00 /ea	1,000
		PROJECT SIGNS			2,500
1000.590		FIELD OFFICES & STORAGE			
		Office Trailer Set-up	2.00 ea	3,000.00 /ea	6,000
		Office Trailer Lease (GC)	12.00 mnth	950.00 /mnth	11,400
		Copy Machine	12.00 mnth	250.00 /mnth	3,000
		Fax Machine, Purchase	1.00 ea	550.00 /ea	550
		Computer, Hardware and Software	1.00 ea	2,500.00 /ea	2,500
		Office Supplies	12.00 mnth	250.00 /mnth	3,000
		Postage and Express Mail	12.00 mnth	200.00 /mnth	2,400
		FIELD OFFICES & STORAGE			28,850
1720.030		Layout			
		Layout (Own Forces)	1.00 ea	3,599.46 /ea	3,599
		Layout			3,599
2315.020		Earthwk: Cut & Fill Etc			
		Gravel Borrow	1,500.00 cy	35.00 /cy	52,500
		Earthwk: Cut & Fill Etc			52,500
2315.021		Earthwk: Excav Foot/Misc			
		Excavate Footing By Machine	1,415.00 cy	30.00 /cy	42,450
		Earthwk: Excav Foot/Misc			42,450
2315.024		Earthwk: Fine Grade			
		Fine Grade	30,000.00 sf	0.30 /sf	9,000
		Earthwk: Fine Grade			9,000
2315.070		Backfill: Foot Wall Misc			
		Backfill Footings & Walls	1,176.00 cy	17.38 /cy	20,439
		Gravel at slab	666.00 cy	35.00 /cy	23,310
		Backfill: Foot Wall Misc			43,749
2340.010		Soil Stabilize /Erosion Ctl			
		Soil Stabilize - Crush Rock	20.00 cy	35.00 /cy	700
		Sitation Fence	1,200.00 lf	5.00 /lf	6,000
		Hay Bales	100.00 lf	10.00 /lf	1,000



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		Soil Stabilize /Erosion Ctrl			7,700
2620.010		Drainage: French Drains			
		French Drain 4"	1,000.00 lf	20.00 /lf	20,000
		Drainage: French Drains			20,000
3210.050		Rebar: All Types			
		Rebar - Lump Sum (tons)	11.25 ton	1,499.94 /ton	16,874
		Rebar: All Types			16,874
3310.140		Conc: Footings			
		Footing Conc Contin	97.00 cy	473.00 /cy	45,881
		Footing Conc Col and Pit	64.00 cy	472.98 /cy	30,271
		Conc: Footings			76,152
3310.160		Conc: Walls			
		Wall Conc 4000 psi	138.00 cy	575.00 /cy	79,350
		Conc: Walls			79,350
3310.210		Conc: Slabs On Grade			
		S.O.G. Conc 4000 psi	29,204.00 sqft	7.00 /sqft	204,428
		Conc: Slabs On Grade			204,428
3310.320		Conc: Fill Pan Stairs			
		Fill Pan Stairs 3000 psi	6.00 cy	628.30 /cy	3,770
		Conc: Fill Pan Stairs			3,770
3310.380		Conc: Slab On Corruform			
		Conc @ Corruform 4000 psi	29,204.00 sqft	6.55 /sqft	191,286
		Conc: Slab On Corruform			191,286
4000.010		Division 4 Subcontractors			
		Brick Veneer	11,100.00 sf	32.55 /sf	361,305
		Cast Stone	1,000.00 cf	55.00 /cf	55,000
		Lime Stone	1,600.00 cf	125.00 /cf	200,000
		Masonry - Weather Prot & Temp Heat	17,500.00 sf	4.55 /sf	79,625
		Masonry - Scaffold	17,500.00 sf	5.55 /sf	97,125
		Division 4 Subcontractors			793,055
4220.110		Conc. Block: 8"			
		Blk 8" Standard Face	5,520.00 ea	21.53 /ea	118,818
		Conc. Block: 8"			118,818
4423.000		Stone Granite			
		Granite Floor Tile	750.00 sf	35.00 /sf	26,250
		Stone Granite			26,250
5000.010		Division 5 Subcontractors			
		Structural Floor Framing 17#/sf	255.00 ton	3,510.00 /ton	895,050
		Structural Roof Framing 8#/sf	120.00 ton	3,510.00 /ton	421,200
		Metal Decking Sqft	60,000.00 sf	2.00 /sf	120,000
		Division 5 Subcontractors			1,436,250



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5505.010		Misc: Misc Metals			
		Misc Metals	60,000.00 sf	1.00 /sf	60,000
		Misc: Misc Metals			60,000
6510.110		Stairs: Stair Parts			
		Steel Stairs	2.00 ft	12,500.00 /ft	25,000
		Stairs: Stair Parts			25,000
5720.010		Ornamental: Rail & Fence			
		Ornamental Stair and Railing	1.00 lsum	54,986.00 /lsum	54,986
		Ornamental: Rail & Fence			54,986
6000.010		Division 6 Subcontractors			
		Millwork - Allowance	1.00 ls	250,000.00 /ls	250,000
		Division 6 Subcontractors			250,000
6117.010		Blocking: Roof Nailers			
		Roof Nail PT 2 x 6 R.L.	4,950.00 bf	6.25 /bf	30,938
		Blocking: Roof Nailers			30,938
6117.020		Blocking: Misc.			
		Misc Safety Railings	488.00 lf	32.26 /lf	15,743
		Blocking 2 x 6 R.L.	5,000.00 bf	6.03 /bf	30,150
		Blocking: Misc.			45,893
7111.010		Dampproofing: VaprrBarrier			
		Cavity Insulation	13,200.00 sf	2.39 /sf	31,548
		Perma Barrier Membrane	13,200.00 sf	7.60 /sf	100,320
		Perma Barrier Membrane Edge	4,200.00 sf	15.65 /sf	65,730
		Dampproofing: VaprrBarrier			197,598
7139.010		Waterproofng: Other			
		Waterproof Iron Compound	520.00 sf	12.93 /sf	6,722
		Waterproofng: Other			6,722
7210.040		Insulation: Board			
		Expanded Polystyrene 2" Foundation	6,400.00 sf	1.98 /sf	12,672
		Insulation: Board			12,672
7530.010		Membrane: Elastomerc EPDM			
		EPDM .060 Thickness	30,000.00 sf	14.78 /sf	443,400
		Membrane: Elastomerc EPDM			443,400
7710.020		Sheetmetal: Gravel Stop			
		Gravel Stop 8" High	800.00 lf	12.00 /lf	9,600
		Sheetmetal: Gravel Stop			9,600
7810.010		Fireproofing: Spray On			
		Fireproofing Sprayed	60,000.00 sf	2.00 /sf	120,000
		Fireproofing: Spray On			120,000
7920.010		Sealant - Jt Filler Gaskt			



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	7920.010	Sealant - Jt Filler Gaskt			
		Caulk & Sealants	1.00 ls	50,000.00 /ls	50,000
		Sealant - Jt Filler Gaskt			50,000
	8100.000	Doors: Metal With Frames			
		Metal Doors	25.00 ea	481.00 /ea	12,025
		Metal Frames	150.00 ea	306.00 /ea	45,900
		Doors: Metal With Frames			57,925
	8210.010	Doors: Wood			
		Oak Solid Core	125.00 ea	504.00 /ea	63,000
		Doors: Wood			63,000
	8360.010	Doors: Overhead			
		Door OH Sectional Steel	1.00 ea	8,700.00 /ea	8,700
		Doors: Overhead			8,700
	8510.010	Windows: Metal			
		Aluminum Windows	5,500.00 sf	90.00 /sf	495,000
		Windows: Metal			495,000
	8700.000	Hardware: Finishing			
		Finishing Hardware Allowance	150.00 ea	450.25 /ea	67,538
		Panic Device	12.00 ea	888.00 /ea	10,656
		Door Closers	40.00 ea	266.25 /ea	10,650
		Weatherstripping	4.00 ea	225.00 /ea	900
		Automatic Door Operators	2.00 ea	3,299.36 /ea	6,599
		Hardware: Finishing			96,342
	8740.000	Hardware: Electromagnetic			
		Card Key Locking Hardware	10.00 ea	250.00 /ea	2,500
		Electromagnetic Door Holders	10.00 ea	155.00 /ea	1,550
		Hardware: Electromagnetic			4,050
	8900.010	Glazed Curtain Walls			
		Aluminum Curtain Wall and Entrances	1,000.00 sf	115.00 /sf	115,000
		Glazed Curtain Walls			115,000
	9000.010	Division 9 Subcontractors			
		Drywall Int Parts	23,986.60 sf	10.36 /sf	248,501
		Drywall Ext Parts	19,200.00 sf	15.06 /sf	289,152
		Ceramic Tile Floor	1,023.00 sf	14.00 /sf	14,322
		Ceramic Tile Walls	1,460.00 sf	12.75 /sf	18,615
		Acoustical Ceilings	56,308.00 ls	4.10 /ls	230,863
		Vinyl Base	5,600.00 lf	2.25 /lf	12,600
		Radial Rubber Tile	900.00 sf	9.00 /sf	8,100
		Resil Safety Tread	160.00 lf	12.00 /lf	1,920
		Resil Stair Riser & Stringer	115.00 lf	3.35 /lf	385
		Carpet	6,142.00 sy	30.00 /sy	184,260
		Painting Walls	50,400.00 sf	0.90 /sf	45,360
		Painting Soffits	2,000.00 sf	0.85 /sf	1,700
		Painting Doors & Frames	150.00 ea	45.00 /ea	6,750
		Drywall Soffits	2,000.00 sf	9.55 /sf	19,100
		Division 9 Subcontractors			1,081,628



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Bid Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
10100.010		Visual Display Boards			
		Operable Markerboards	4.00 ea	1,199.76 /ea	4,799
		Visual Display Boards			4,799
10160.010		Toilet Compartments			
		Toilet Compartments - phenolic	32.00 ea	1,100.00 /ea	35,200
		Urinal Screens	12.00 ea	450.04 /ea	5,400
		Toilet Compartments			40,601
10200.000		Louvers and Vents			
		Wall Louver: Stationary	4.00 ea	1,199.76 /ea	4,799
		Louvers and Vents			4,799
10350.000		Flagpoles			
		Flagpole	1.00 ea	1,499.94 /ea	1,500
		Flagpoles			1,500
10430.010		Signs and Letters			
		Exterior Dimensional Letters	1.00 ls	10,000.00 /ls	10,000
		Interior Door Signage	175.00 ea	45.00 /ea	7,875
		Signs and Letters			17,875
10521.010		Fire Extinguishers Etc			
		Fire Extinguishers	10.00 ea	77.00 /ea	770
		Fire Ext Cabinet	10.00 ea	126.00 /ea	1,260
		Fire Extinguishers Etc			2,030
10800.010		Misc Toilet/Bath Equip			
		Toilet Accessories	8.00 rm	1,500.10 /rm	12,001
		Misc Toilet/Bath Equip			12,001
11160.010		Equip: Dock			
		Dock Leveler	1.00 ea	9,249.99 /ea	9,250
		Dock Bumpers	2.00 ea	129.99 /ea	260
		Dock Seals	38.00 lf	50.25 /lf	1,910
		Equip: Dock			11,419
11450.010		Equip: Residential Food			
		Refrigerator	3.00 ea	1,625.00 /ea	4,875
		Compactor Residential Size	3.00 ea	734.00 /ea	2,202
		Microwave	3.00 ea	194.83 /ea	584
		Equip: Residential Food			7,661
12490.010		Window Treatments			
		Blinds	5,500.00 sf	12.00 /sf	66,000
		Window Treatments			66,000
13100.000		Lightning Protection			
		Lightning Protection Sub	1.00 ls	35,000.00 /ls	35,000
		Lightning Protection			35,000
14200.010		Elevators			
		Elevator Hydraulic	1.00 ea	85,000.08 /ea	85,000



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Bid Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
	14200.010	Elevators			
		Elevator Freight Hydraulic Elevators	1.00 ea	120,000.08 /ea	120,000
		Elevators			<u>205,000</u>
	15300.010	Sprinkler			
		Fire Protection (Sqft)	60,000.00 sf	4.50 /sf	270,000
		Pre-Action Sprinkler Systems	600.00 sf	20.00 /sf	12,000
		Sprinkler			<u>282,000</u>
	15400.000	Plumbing			
		Plumbing (Sqft)	60,000.00 sf	18.00 /sf	1,080,000
		Plumbing			<u>1,080,000</u>
	15700.000	HVAC Systems			
		HVAC (Sqft)	60,000.00 sf	40.00 /sf	2,400,000
		HVAC Systems			<u>2,400,000</u>
	15900.000	Controls			
		Controls (Lump Sum)	60,000.00 sf	8.50 /sf	510,000
		Controls			<u>510,000</u>
	16000.010	Electrical Complete			
		Electrical (Sqft)	60,000.00 sf	31.00 /sf	1,860,000
		Electrical Complete			<u>1,860,000</u>
	16200.010	Power Generation			
		Generators	1.00 ea	75,000.00 /ea	75,000
		Power Generation			<u>75,000</u>
		1 Admin Bldg 60,000 sf	60,000.00 sf	237.02 /sf	14,221,043
2 Vehicles Garage		31,600 sf			
	1000.103	PROJECT SUPERVISION			
		Assistant Project Manager	52.00 wk	2,760.00 /wk	143,520
		Project Engineer Half Time	52.00 wk	1,200.00 /wk	62,400
		Purchasing Agent	4.00 wk	3,560.00 /wk	14,240
		Purchasing Secretary Half time	4.00 wk	560.00 /wk	2,240
		Safety Officer Half Day a week'	52.00 wk	274.00 /wk	14,248
		Project Superintendent	52.00 wk	3,280.00 /wk	170,560
		Cost Control Management 1 days a week	52.00 wk	368.00 /wk	19,136
		PROJECT SUPERVISION			<u>426,344</u>
	1000.202	PRECONSTRUCTION SERVICES			
		Project Executive	50.00 mh	141.00 /mh	7,050
		Senior Estimator / Planner	200.00 mh	101.00 /mh	20,200
		Mech / Elec Coordinator	120.00 mh	91.50 /mh	10,980
		Site Coordinator	80.00 mh	77.00 /mh	6,160
		Reimbursable Expenses Allowance	1.00 lsum	5,000.00 /lsum	5,000
		PRECONSTRUCTION SERVICES			<u>49,390</u>
	1000.300	SUBMITTALS & CONSULTANTS			
		Construction Schedule	11.00 ea	576.00 /ea	6,336
		Drawing / Document Reproduction	50.00 set	250.00 /set	12,500
		As Built Documentation	1.00 lsum	7,500.00 /lsum	7,500
		Job Photographs	12.00 mnth	100.00 /mnth	1,200



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SUBMITTALS & CONSULTANTS					27,536
1000.510		TEMPORARY UTILITIES			
		Temporary Electric Power Consumption	12.00 mnth	1,750.00 /mnth	21,000
		Temporary Heating System	4.00 mnth	5,000.00 /mnth	20,000
		Temporary Heat - Fuel Consumption	4.00 mnth	15,000.00 /mnth	60,000
		Fire Extinguishers	6.00 ea	175.00 /ea	1,050
		TEMPORARY UTILITIES			102,050
1000.530		BARRIERS & ENCLOSURES			
		Temporary Fence	800.00 lf	12.00 /lf	9,600
		BARRIERS & ENCLOSURES			9,600
1000.540		SECURITY & SAFETY			
		Personal Protection Equipment	12.00 mnth	125.00 /mnth	1,500
		Safety Supplies	12.00 mnth	150.00 /mnth	1,800
		First Aid Supplies	12.00 mnth	250.00 /mnth	3,000
		SECURITY & SAFETY			6,300
1000.560		TEMPORARY CONTROLS			
		Daily Housekeeping	52.00 wk	2,720.00 /wk	141,440
		Rubbish / Dumpster Pulls	30.00 load	600.00 /load	18,000
		Final Cleanup (Sub)	31,600.00 sf	0.45 /sf	14,220
		Weather Protection	4.00 mnth	7,500.00 /mnth	30,000
		TEMPORARY CONTROLS			203,660
1000.580		PROJECT SIGNS			
		Safety Signs	25.00 ea	40.00 /ea	1,000
		PROJECT SIGNS			1,000
1720.030		Layout			
		Layout (Own Forces)	1.00 ea	3,599.46 /ea	3,599
		Layout			3,599
2315.021		Earthwk: Excav Foot/Misc			
		Excavate Footing By Machine	807.00 cy	30.00 /cy	24,210
		Earthwk: Excav Foot/Misc			24,210
2315.024		Earthwk: Fine Grade			
		Fine Grade	31,600.00 sf	0.30 /sf	9,480
		Earthwk: Fine Grade			9,480
2315.070		Backfill: Foot Wall Misc			
		Backfill Footings & Walls	589.00 cy	17.38 /cy	10,237
		Gravel at slab	702.00 cy	35.00 /cy	24,570
		Backfill: Foot Wall Misc			34,807
2340.010		Soil Stablze /Erosion Ctl			
		Soil Stabilize - Crush Rock	20.00 cy	35.00 /cy	700
		Siltation Fence	1,200.00 lf	5.00 /lf	6,000
		Hay Bales	100.00 lf	10.00 /lf	1,000
		Soil Stablze /Erosion Ctl			7,700
2620.010		Drainage: French Drains			



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	2620.010	Drainage: French Drains French Drain 4"	800.00 lf	20.00 /lf	16,000
		Drainage: French Drains			<u>16,000</u>
	3210.050	Rebar: All Types Rebar - Lump Sum (tons)	12.00 ton	1,499.92 /ton	17,999
		Rebar - Lump Sum (tons)	11.25 ton	1,499.94 /ton	16,874
		Rebar: All Types			<u>34,873</u>
	3310.140	Conc: Footings Footing Conc Contin	105.00 cy	473.00 /cy	49,665
		Footing Conc Col and Pit	38.48 cy	472.98 /cy	18,200
		Conc: Footings			<u>67,865</u>
	3310.160	Conc: Walls Wall Conc 4000 psi	131.50 cy	575.00 /cy	75,613
		Conc: Walls			<u>75,613</u>
	3310.210	Conc: Slabs On Grade S.O.G. Conc 4000 psi	31,093.00 sqft	7.00 /sqft	217,651
		Conc: Slabs On Grade			<u>217,651</u>
	3350.400	Finish: Floor Hardener Floor Sealer - Hardener	31,093.00 sf	0.87 /sf	27,076
		Finish: Floor Hardener			<u>27,076</u>
	5505.010	Misc: Misc Metals Misc Metals	31,600.00 sf	1.50 /sf	47,400
		Misc: Misc Metals			<u>47,400</u>
	6117.020	Blocking: Misc. Blocking 2 x 6 R.L.	6,000.00 bf	6.03 /bf	36,180
		Blocking: Misc.			<u>36,180</u>
	7210.040	Insulation: Board Expanded Polystyrene 2 " Foundation	6,160.00 sf	1.98 /sf	12,197
		Insulation: Board			<u>12,197</u>
	7810.010	Fireproofing: Spray On Fireproofing Sprayed	31,600.00 sf	2.00 /sf	63,200
		Fireproofing: Spray On			<u>63,200</u>
	7920.010	Sealant - Jt Filler Gaskt Caulk & Sealants (Our Forces)	1.00 ls	15,000.00 /ls	15,000
		Sealant - Jt Filler Gaskt			<u>15,000</u>
	8100.000	Doors: Metal With Frames Metal Doors	10.00 ea	345.75 /ea	3,458
		Metal Frames	10.00 ea	258.50 /ea	2,585
		Doors: Metal With Frames			<u>6,043</u>
	8360.010	Doors: Overhead Door OH Sectional Steel	6.00 ea	18,499.85 /ea	110,999



**Providence Water Supply Board
New Campus Budget
Revised**

7/31/2013

Bid Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
		Doors: Overhead			110,999
8510.010		Windows: Metal			
		Aluminum Windows	700.00 sf	90.00 /sf	<u>63,000</u>
		Windows: Metal			63,000
8600.000		Skylights			
		Unit Skylights	40.00 ea	3,000.00 /ea	<u>120,000</u>
		Skylights			120,000
8700.000		Hardware: Finishing			
		Finishing Hardware Allowance	10.00 ea	450.25 /ea	4,503
		Panic Device	6.00 ea	888.00 /ea	5,328
		Door Closers	10.00 ea	266.25 /ea	2,663
		Weatherstripping	6.00 ea	225.00 /ea	<u>1,350</u>
		Hardware: Finishing			13,843
8740.000		Hardware: Electromagnetic			
		Card Key Locking Hardware	6.00 ea	250.00 /ea	1,500
		Electromagnetic Door Holders	6.00 ea	155.00 /ea	<u>930</u>
		Hardware: Electromagnetic			2,430
9000.010		Division 9 Subcontractors			
		Painting Doors & Frames	10.00 ea	45.00 /ea	<u>450</u>
		Division 9 Subcontractors			450
9910.020		Painting: Int Detailed			
		Paint Steel	12,960.00 lf	1.25 /lf	<u>16,200</u>
		Painting: Int Detailed			16,200
10521.010		Fire Extinguishers Etc			
		Fire Extinguishers Wall Mounted	6.00 ea	96.23 /ea	<u>577</u>
		Fire Extinguishers Etc			577
11010.030		Equip: Vacuum Systems			
		Exhaust Evac System	1.00 ea	40,000.00 /ea	<u>40,000</u>
		Equip: Vacuum Systems			40,000
11140.010		Equip: Vehicle Service			
		Fuel Dispensing Equipment	3.00 ea	25,000.00 /ea	<u>75,000</u>
		Equip: Vehicle Service			75,000
11150.010		Equip: Parking Control			
		Parking Control Equipment	1.00 ls	25,000.00 /ls	<u>25,000</u>
		Equip: Parking Control			25,000
13100.000		Lightning Protection			
		Lightning Protection Sub	1.00 ea	35,000.00 /ea	<u>35,000</u>
		Lightning Protection			35,000
13120.010		Pre-Engineered Structures			
		Pre-Engineered Building	31,600.00 sf	25.80 /sf	815,280



**Providence Water Supply Board
New Campus Budget
Revised**

7/31/2013

Bid Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
Pre-Engineered Structures					815,280
13200.000		Storage Tanks			
		Convault AG Tanks	2.00 ea	125,000.00 /ea	<u>250,000</u>
		Storage Tanks			250,000
14400.010		Lifts			
		Vehicle Lifts	3.00 ea	85,000.00 /ea	<u>255,000</u>
		Lifts			255,000
14600.010		Hoists & Cranes			
		Overhead Monorail System	200.00 lf	301.80 /lf	<u>60,360</u>
		Hoists & Cranes			60,360
15300.010		Sprinkler			
		Fire Protection (Sqft)	31,600.00 sf	4.50 /sf	<u>142,200</u>
		Sprinkler			142,200
15400.000		Plumbing			
		Plumbing (Sqft)	31,600.00 sf	3.55 /sf	<u>112,180</u>
		Plumbing			112,180
15700.000		HVAC Systems			
		HVAC (Sqft)	31,600.00 sf	4.00 /sf	<u>126,400</u>
		HVAC Systems			126,400
15900.000		Controls			
		Building Systems Control	31,600.00 sf	1.00 /sf	<u>31,600</u>
		Controls			31,600
16000.010		Electrical Complete			
		Electrical (Sqft)	31,600.00 sf	19.75 /sf	<u>624,100</u>
		Electrical Complete			624,100
16200.010		Power Generation			
		Generators	1.00 ea	75,000.00 /ea	<u>75,000</u>
		Power Generation			75,000
		2 Vehicles Garage 31,600 sf	31,600.00 sf	143.02 /sf	4,519,393
3 Stock/Offices		20,000 sf			
1000.510		TEMPORARY UTILITIES			
		Temporary Toilets	12.00 mnth	450.00 /mnth	5,400
		Fire Extinguishers	8.00 ea	175.00 /ea	<u>1,400</u>
		TEMPORARY UTILITIES			6,800
1000.530		BARRIERS & ENCLOSURES			
		Barricades	100.00 lf	25.00 /lf	2,500
		Temporary Fence	600.00 lf	12.00 /lf	<u>7,200</u>
		BARRIERS & ENCLOSURES			9,700
1000.560		TEMPORARY CONTROLS			
		Daily Housekeeping 2 days a week	52.00 wk	1,088.00 /wk	56,576



**Providence Water Supply Board
New Campus Budget
Revised**

7/31/2013

Bld Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
1000.560		TEMPORARY CONTROLS			
		Rubbish / Dumpster Pulls	12.00 load	600.00 /load	7,200
		Final Cleanup (Sub)	20,000.00 sf	0.55 /sf	11,000
		Weather Protection	4.00 mnth	7,500.00 /mnth	30,000
		TEMPORARY CONTROLS			104,776
1000.580		PROJECT SIGNS			
		Safety Signs	25.00 ea	40.00 /ea	1,000
		PROJECT SIGNS			1,000
1720.030		Layout			
		Layout (Own Forces)	1.00 ea	3,599.46 /ea	3,599
		Layout			3,599
2315.021		Earthwk: Excav Foot/Misc			
		Excavate Footing By Machine	320.00 cy	30.00 /cy	9,600
		Earthwk: Excav Foot/Misc			9,600
2315.024		Earthwk: Fine Grade			
		Fine Grade	10,000.00 sf	0.30 /sf	3,000
		Earthwk: Fine Grade			3,000
2315.070		Backfill: Foot Wall Misc			
		Backfill Footings & Walls	285.00 cy	17.38 /cy	4,953
		Gravel at slab	222.00 cy	35.00 /cy	7,770
		Backfill: Foot Wall Misc			12,723
2340.010		Soil Stabilize /Erosion Ctl			
		Soil Stabilize - Crush Rock	20.00 cy	35.00 /cy	700
		Siltation Fence	600.00 lf	5.00 /lf	3,000
		Hay Bales	50.00 lf	10.00 /lf	500
		Soil Stabilize /Erosion Ctl			4,200
2620.010		Drainage: French Drains			
		French Drain 4"	300.00 lf	20.00 /lf	6,000
		Drainage: French Drains			6,000
3210.050		Rebar: All Types			
		Rebar - Lump Sum (tons)	11.25 ton	1,499.94 /ton	16,874
		Rebar: All Types			16,874
3310.140		Conc: Footings			
		Footing Conc Contin	36.00 cy	473.00 /cy	17,028
		Footing Conc Col	34.00 cy	473.00 /cy	16,082
		Conc: Footings			33,110
3310.160		Conc: Walls			
		Wall Conc 4000 psi	59.00 cy	575.00 /cy	33,925
		Loading Dock	600.00 sf	50.00 /sf	30,000
		Conc: Walls			63,925
3310.210		Conc: Slabs On Grade			
		S.O.G. Conc 4000 psi	9,504.00 sqft	7.00 /sqft	66,528



**Providence Water Supply Board
New Campus Budget
Revised**

7/31/2013

Bid Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
		Conc: Slabs On Grade			66,528
3310.320		Conc: Fill Pan Stairs			
		Fill Pan Stairs 3000 psi	4.00 cy	628.30 /cy	<u>2,513</u>
		Conc: Fill Pan Stairs			2,513
3310.380		Conc: Slab On Corruform			
		Conc @ Corruform 4000 psi	9,504.00 sqft	6.55 /sqft	<u>62,251</u>
		Conc: Slab On Corruform			62,251
4000.010		Division 4 Subcontractors			
		Brick Veneer	6,850.00 sf	32.55 /sf	222,968
		Cast Stone	400.00 cf	55.00 /cf	22,000
		Lime Stone	400.00 cf	125.00 /cf	50,000
		Masonry - Weather Prot & Temp Heat	9,800.00 sf	4.55 /sf	44,590
		Masonry - Scaffold	9,000.00 sf	5.55 /sf	<u>49,950</u>
		Division 4 Subcontractors			389,508
4220.110		Conc. Block: 8"			
		Blk 8" Standard Face	7,710.00 ea	21.53 /ea	<u>165,958</u>
		Conc. Block: 8"			165,958
4220.120		Conc. Block: 6"			
		Blk 6" Standard Face	7,280.00 ea	16.15 /ea	<u>117,572</u>
		Conc. Block: 6"			117,572
5000.010		Division 5 Subcontractors			
		Structural Floor Framing 17#/sf	85.00 ton	3,510.00 /ton	298,350
		Structural Roof Framing 8#/sf	40.00 ton	3,510.00 /ton	140,400
		Metal Decking Sqft	20,000.00 sf	2.00 /sf	<u>40,000</u>
		Division 5 Subcontractors			478,750
5505.010		Misc: Misc Metals			
		Misc Metals	20,000.00 sf	1.50 /sf	<u>30,000</u>
		Misc: Misc Metals			30,000
5510.110		Stairs: Stair Parts			
		Steel Stairs	2.00 flt	12,500.00 /flt	<u>25,000</u>
		Stairs: Stair Parts			25,000
6000.010		Division 6 Subcontractors			
		Millwork - Allowance	1.00 ls	60,000.00 /ls	<u>60,000</u>
		Division 6 Subcontractors			60,000
6117.010		Blocking: Roof Nailers			
		Roof Nail PT 2 x 6 R.L.	2,650.00 bf	6.25 /bf	<u>16,563</u>
		Blocking: Roof Nailers			16,563
6117.020		Blocking: Misc.			
		Misc Safety Rallings	400.00 lf	32.26 /lf	12,904
		Blocking 2 x 6 R.L.	3,500.00 bf	6.03 /bf	<u>21,105</u>
		Blocking: Misc.			34,009



**Providence Water Supply Board
New Campus Budget
Revised**

7/31/2013

Bid Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
7111.010		Dampproofing: VaprBarrier			
		Cavity Insulation	6,850.00 sf	2.39 /sf	16,372
		Perma Barrier Membrane	6,850.00 sf	7.60 /sf	52,060
		Perma Barrier Membrane Edge	1,190.00 sf	15.65 /sf	18,624
		Dampproofing: VaprBarrier			87,055
7210.040		Insulation: Board			
		Expanded Polystyrene 2 " Foundation	2,400.00 sf	1.98 /sf	4,752
		Insulation: Board			4,752
7530.010		Membrane: Elastomerc EPDM			
		EPDM .060 Thickness	10,000.00 sf	14.78 /sf	147,800
		Membrane: Elastomerc EPDM			147,800
7710.020		Sheetmetal: Gravel Stop			
		Gravel Stop 8" High	300.00 lf	12.00 /lf	3,600
		Sheetmetal: Gravel Stop			3,600
7810.010		Fireproofing: Spray On			
		Fireproofing Sprayed	20,000.00 sf	2.00 /sf	40,000
		Fireproofing: Spray On			40,000
7920.010		Sealant - Jt Filler Gaskt			
		Caulk & Sealants	1.00 ls	12,500.00 /ls	12,500
		Sealant - Jt Filler Gaskt			12,500
8100.000		Doors: Metal With Frames			
		Metal Doors	40.00 ea	481.00 /ea	19,240
		Metal Frames	50.00 ea	306.00 /ea	15,300
		Doors: Metal With Frames			34,540
8210.010		Doors: Wood			
		Oak Solid Core	10.00 ea	504.00 /ea	5,040
		Doors: Wood			5,040
8360.010		Doors: Overhead			
		Door OH Sectional Steel	1.00 ea	8,700.00 /ea	8,700
		Doors: Overhead			8,700
8510.010		Windows: Metal			
		Aluminum Windows	1,350.00 sf	90.00 /sf	121,500
		Windows: Metal			121,500
8700.000		Hardware: Finishing			
		Finishing Hardware Allowance	50.00 ea	450.25 /ea	22,513
		Panic Device	6.00 ea	888.00 /ea	5,328
		Door Closers	12.00 ea	266.25 /ea	3,195
		Weatherstripping	4.00 ea	225.00 /ea	900
		Hardware: Finishing			31,936
8740.000		Hardware: Electromagnetic			
		Card Key Locking Hardware	4.00 ea	250.00 /ea	1,000
		Electromagnetic Door Holders	4.00 ea	155.00 /ea	620



**Providence Water Supply Board
New Campus Budget
Revised**

7/31/2013

Bid Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
		Hardware: Electromagnetic			1,620
8900.010		Glazed Curtain Walls			
		Aluminum Curtain Wall and Entrances	140.00 sf	115.00 /sf	<u>16,100</u>
		Glazed Curtain Walls			16,100
9000.010		Division 9 Subcontractors			
		Drywall Int Parts	7,400.00 sf	10.36 /sf	76,664
		Ceramic Tile Floor	400.00 sf	14.00 /sf	5,600
		Ceramic Tile Walls	1,305.00 sf	12.75 /sf	16,639
		Acoustical Ceilings	17,600.00 ls	4.10 /ls	72,160
		Vinyl Base	2,715.00 lf	2.25 /lf	6,109
		Radial Rubber Tile	900.00 sf	9.00 /sf	8,100
		Resil Safety Tread	160.00 lf	12.00 /lf	1,920
		Resil Stair Riser & Stringer	115.00 lf	3.35 /lf	385
		Resilient Flooring	8,800.00 sf	2.50 /sf	22,000
		Carpet	978.00 sy	30.00 /sy	29,340
		Painting Walls	26,142.00 sf	0.90 /sf	23,528
		Painting Soffits	1,000.00 sf	0.85 /sf	850
		Painting Doors & Frames	50.00 ea	45.00 /ea	2,250
		Drywall Soffits	1,000.00 sf	9.55 /sf	<u>9,550</u>
		Division 9 Subcontractors			275,095
10100.010		Visual Display Boards			
		Marker Boards / Tackboards	8.00 ea	195.01 /ea	<u>1,560</u>
		Visual Display Boards			1,560
10160.010		Toilet Compartments			
		Toilet Compartments - phenolic	8.00 ea	1,100.00 /ea	8,800
		Urinal Screens	6.00 ea	450.04 /ea	<u>2,700</u>
		Toilet Compartments			11,500
10185.010		Shower/Dressing Compart			
		Compartment Showers	4.00 ea	1,150.00 /ea	<u>4,600</u>
		Shower/Dressing Compart			4,600
10200.000		Louvers and Vents			
		Wall Louver: Stationary	4.00 ea	1,199.76 /ea	<u>4,799</u>
		Louvers and Vents			4,799
10430.010		Signs and Letters			
		Interior Door Signage	100.00 ea	45.00 /ea	<u>4,500</u>
		Signs and Letters			4,500
10500.010		Lockers			
		Lockers - Metal	30.00 ea	225.00 /ea	<u>6,750</u>
		Lockers			6,750
10521.010		Fire Extinguishers Etc			
		Fire Extinguishers	6.00 ea	77.00 /ea	462
		Fire Ext Cabinet	6.00 ea	126.00 /ea	<u>756</u>
		Fire Extinguishers Etc			1,218
10600.000		Partitions			



**Providence Water Supply Board
New Campus Budget
Revised**

7/31/2013

Bid Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
	10600.000	Partitions Wire Mesh Partition Partitions	350.00 lf	92.00 /lf	<u>32,200</u> 32,200
	10800.010	Misc Toilet/Bath Equip Toilet Accessories Misc Toilet/Bath Equip	6.00 rm	1,500.10 /rm	<u>9,001</u> 9,001
	11160.010	Equip: Dock Dock Leveler Dock Bumpers Equip: Dock	1.00 ea 2.00 ea	9,249.99 /ea 129.99 /ea	<u>9,250</u> <u>260</u> 9,510
	11450.010	Equip: Residential Food Refrigerator Microwave Equip: Residential Food	3.00 ea 3.00 ea	1,625.00 /ea 194.83 /ea	<u>4,875</u> <u>584</u> 5,459
	12490.010	Window Treatments Blinds Window Treatments	1,350.00 sf	12.00 /sf	<u>16,200</u> 16,200
	13100.000	Lightning Protection Lightning Protection Sub Lightning Protection	1.00 ls	12,000.00 /ls	<u>12,000</u> 12,000
	15300.010	Sprinkler Fire Protection (Sqft) Sprinkler	20,000.00 sf	4.50 /sf	<u>90,000</u> 90,000
	15400.000	Plumbing Plumbing (Sqft) Plumbing	20,000.00 sf	16.00 /sf	<u>320,000</u> 320,000
	15700.000	HVAC Systems HVAC (Sqft) HVAC Systems	20,000.00 sf	40.00 /sf	<u>800,000</u> 800,000
	15900.000	Controls Controls (Lump Sum) Controls	20,000.00 sf	8.50 /sf	<u>170,000</u> 170,000
	16000.010	Electrical Complete Electrical (Sqft) Electrical Complete	20,000.00 sf	26.00 /sf	<u>520,000</u> 520,000
		3 Stock/Offices 20,000 sf	20,000.00 sf	226.68 /sf	4,533,494
4 Auto Shop		8,000 sf			
	1000.202	PRECONSTRUCTION SERVICES Mech / Elec Coordinator Site Coordinator Reimbursable Expenses Allowance	60.00 mh 40.00 mh 1.00 lsum	91.50 /mh 77.00 /mh 5,000.00 /lsum	<u>5,490</u> <u>3,080</u> <u>5,000</u>



**Providence Water Supply Board
New Campus Budget
Revised**

7/31/2013

Bid Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
PRECONSTRUCTION SERVICES					13,570
1000.300		SUBMITTALS & CONSULTANTS			
		Construction Schedule	9.00 ea	576.00 /ea	5,184
		Drawing / Document Reproduction	50.00 set	250.00 /set	12,500
		As Built Documentation	1.00 lsum	3,500.00 /lsum	3,500
		Job Photographs	12.00 /mnt	50.00 /mnt	600
		SUBMITTALS & CONSULTANTS			21,784
1000.510		TEMPORARY UTILITIES			
		Temporary Electric Power Consumption	8.00 /mnt	1,000.00 /mnt	8,000
		Temporary Heating System	4.00 /mnt	2,500.00 /mnt	10,000
		Temporary Heat - Fuel Consumption	4.00 /mnt	5,000.00 /mnt	20,000
		Telephone Usage Charge	8.00 /mnt	800.00 /mnt	6,400
		Temporary Water Usage Charge	8.00 /mnt	200.00 /mnt	1,600
		Temporary Toilets	8.00 /mnt	300.00 /mnt	2,400
		Fire Extinguishers	4.00 ea	175.00 /ea	700
		TEMPORARY UTILITIES			49,100
1000.530		BARRIERS & ENCLOSURES			
		Temporary Fence	800.00 lf	12.00 /lf	9,600
		BARRIERS & ENCLOSURES			9,600
1000.540		SECURITY & SAFETY			
		Personal Protection Equipment	8.00 /mnt	125.00 /mnt	1,000
		Safety Supplies	8.00 /mnt	150.00 /mnt	1,200
		First Aid Supplies	8.00 /mnt	250.00 /mnt	2,000
		SECURITY & SAFETY			4,200
1000.560		TEMPORARY CONTROLS			
		Daily Housekeeping	40.00 wk	2,720.00 /wk	108,800
		Rubbish / Dumpster Pulls	24.00 load	600.00 /load	14,400
		Final Cleanup (Sub)	8,000.00 sf	0.45 /sf	3,600
		Weather Protection	4.00 /mnt	7,500.00 /mnt	30,000
		TEMPORARY CONTROLS			156,800
1000.580		PROJECT SIGNS			
		Safety Signs	6.00 ea	40.00 /ea	240
		PROJECT SIGNS			240
1720.030		Layout			
		Layout (Own Forces)	1.00 ea	2,300.00 /ea	2,300
		Layout			2,300
2315.021		Earthwk: Excav Foot/Misc			
		Excavate Footing By Machine	390.00 cy	30.00 /cy	11,700
		Earthwk: Excav Foot/Misc			11,700
2315.024		Earthwk: Fine Grade			
		Fine Grade	8,000.00 sf	0.30 /sf	2,400
		Earthwk: Fine Grade			2,400
2315.070		Backfill: Foot Wall Misc			
		Backfill Footings & Walls	364.00 cy	17.38 /cy	6,326



**Providence Water Supply Board
New Campus Budget
Revised**

7/31/2013

Bid Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
	2315.070	Backfill: Foot Wall Misc			
		Gravel at slab	148.15 cy	35.00 /cy	5,185
		Backfill: Foot Wall Misc			<u>11,512</u>
	2340.010	Soil Stabilze /Erosion Ctl			
		Soil Stabilize - Crush Rock	10.00 cy	35.00 /cy	350
		Siltation Fence	800.00 lf	5.00 /lf	4,000
		Hay Bales	50.00 lf	10.00 /lf	500
		Soil Stabilze /Erosion Ctl			<u>4,850</u>
	2620.010	Drainage: French Drains			
		French Drain 4"	400.00 lf	20.00 /lf	8,000
		Drainage: French Drains			<u>8,000</u>
	3210.050	Rebar: All Types			
		Rebar - Lump Sum (tons)	1.50 ton	1,499.92 /ton	2,250
		Rebar - Lump Sum (tons)	2.77 ton	1,499.90 /ton	4,155
		Rebar: All Types			<u>6,405</u>
	3310.140	Conc: Footings			
		Footing Conc Contin	28.89 cy	473.02 /cy	13,665
		Footing Conc Col	21.28 cy	472.98 /cy	10,065
		Conc: Footings			<u>23,730</u>
	3310.160	Conc: Walls			
		Wall Conc 4000 psi	57.78 cy	575.00 /cy	33,224
		Conc: Walls			<u>33,224</u>
	3310.210	Conc: Slabs On Grade			
		S.O.G. Conc 4000 psi	8,000.00 sqft	7.00 /sqft	56,000
		Conc: Slabs On Grade			<u>56,000</u>
	3350.400	Finish: Floor Hardener			
		Floor Sealer - Hardener	8,000.00 sf	0.87 /sf	6,966
		Finish: Floor Hardener			<u>6,966</u>
	4000.010	Division 4 Subcontractors			
		Brick Veneer	5,940.00 sf	32.55 /sf	193,347
		Masonry - Scaffold	6,240.00 sf	5.55 /sf	34,632
		Division 4 Subcontractors			<u>227,979</u>
	4220.110	Conc. Block: 8"			
		Blk 8" Standard Face	6,682.50 ea	21.53 /ea	143,841
		Conc. Block: 8"			<u>143,841</u>
	4220.120	Conc. Block: 6"			
		Blk 6" Standard Face interior	2,700.00 ea	17.94 /ea	48,438
		Conc. Block: 6"			<u>48,438</u>
	5000.010	Division 5 Subcontractors			
		Structural Roof Framing 9#/sf	36.00 ton	3,510.00 /ton	126,360
		Metal Decking Sqft	8,000.00 sf	2.00 /sf	16,000



**Providence Water Supply Board
New Campus Budget
Revised**

7/31/2013

Bid Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
Division 5 Subcontractors					142,360
5505.010	Misc:	Misc Metals			
		Misc Metals	8,000.00 sf	1.50 /sf	<u>12,000</u>
		Misc: Misc Metals			12,000
6117.010	Blocking:	Roof Nailers			
		Roof Nail PT 2 x 6 R.L.	1,711.00 bf	6.25 /bf	<u>10,694</u>
		Blocking: Roof Nailers			10,694
6117.020	Blocking:	Misc.			
		Blocking 2 x 6 R.L.	1,200.00 bf	6.03 /bf	<u>7,236</u>
		Blocking: Misc.			7,236
7111.010	Dampproofing:	VaprBarrier			
		Cavity Insulation	5,940.00 sf	2.39 /sf	14,197
		Perma Barrier Membrane	5,940.00 sf	7.60 /sf	45,144
		Perma Barrier Membrane Edge	267.00 sf	15.65 /sf	<u>4,179</u>
		Dampproofing: VaprBarrier			63,519
7210.040	Insulation:	Board			
		Expanded Polystyrene 2 " Foundation	3,120.00 sf	1.98 /sf	<u>6,178</u>
		Insulation: Board			6,178
7530.010	Membrane:	Elastomerc EPDM			
		EPDM .060 Thickness	8,000.00 sf	14.78 /sf	<u>118,240</u>
		Membrane: Elastomerc EPDM			118,240
7710.020	Sheetmetal:	Gravel Stop			
		Gravel Stop 8" High	390.00 lf	12.00 /lf	<u>4,680</u>
		Sheetmetal: Gravel Stop			4,680
7810.010	Fireproofing:	Spray On			
		Fireproofing Sprayed	8,000.00 sf	2.00 /sf	<u>16,000</u>
		Fireproofing: Spray On			16,000
7920.010	Sealant - Jt Filler	Gaskt			
		Caulk & Sealants (Our Forces)	1.00 ls	2,500.00 /ls	<u>2,500</u>
		Sealant - Jt Filler Gaskt			2,500
8100.000	Doors:	Metal With Frames			
		Metal Doors	17.00 ea	345.75 /ea	5,878
		Metal Frames	8.00 ea	258.50 /ea	2,068
		Metal Frame Double	3.00 ea	344.13 /ea	<u>1,032</u>
		Doors: Metal With Frames			8,978
8360.010	Doors:	Overhead			
		Door OH Sectional Steel	3.00 ea	18,499.85 /ea	<u>55,500</u>
		Doors: Overhead			55,500
8510.010	Windows:	Metal			
		Aluminum Windows	240.00 sf	90.00 /sf	21,600



**Providence Water Supply Board
New Campus Budget
Revised**

7/31/2013

Bid Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
		Windows: Metal			21,600
8600.000		Skylights			
		Unit Skylights	8.00 ea	3,000.00 /ea	<u>24,000</u>
		Skylights			24,000
8700.000		Hardware: Finishing			
		Finishing Hardware Allowance	17.00 ea	450.25 /ea	7,654
		Panic Device	2.00 ea	888.00 /ea	1,776
		Door Closers	5.00 ea	266.25 /ea	1,331
		Weatherstripping	2.00 ea	225.00 /ea	<u>450</u>
		Hardware: Finishing			11,212
8740.000		Hardware: Electromagnetic			
		Card Key Locking Hardware	4.00 ea	250.00 /ea	1,000
		Electromagnetic Door Holders	4.00 ea	155.00 /ea	<u>620</u>
		Hardware: Electromagnetic			1,620
9000.010		Division 9 Subcontractors			
		Painting Walls	11,088.00 sf	0.95 /sf	10,534
		Painting Doors & Frames	17.00 ea	45.00 /ea	<u>765</u>
		Division 9 Subcontractors			11,299
10521.010		Fire Extinguishers Etc			
		Fire Extinguishers Wall Mounted	2.00 ea	96.23 /ea	<u>192</u>
		Fire Extinguishers Etc			192
11010.030		Equip: Vacuum Systems			
		Exhaust Evac System	1.00 ea	15,000.00 /ea	<u>15,000</u>
		Equip: Vacuum Systems			15,000
13100.000		Lightning Protection			
		Lightning Protection Sub	1.00 ea	8,000.00 /ea	<u>8,000</u>
		Lightning Protection			8,000
14400.010		Lifts			
		Vehicle Lifts	2.00 ea	85,000.00 /ea	<u>170,000</u>
		Lifts			170,000
15300.010		Sprinkler			
		Fire Protection (Sqft)	8,000.00 sf	4.50 /sf	<u>36,000</u>
		Sprinkler			36,000
15400.000		Plumbing			
		Plumbing (Sqft)	8,000.00 sf	6.75 /sf	<u>54,000</u>
		Plumbing			54,000
16700.000		HVAC Systems			
		HVAC (Sqft)	8,000.00 sf	10.80 /sf	<u>86,400</u>
		HVAC Systems			86,400
15900.000		Controls			
		Building Systems Control	8,000.00 sf	1.00 /sf	8,000



**Providence Water Supply Board
New Campus Budget
Revised**

7/31/2013

Bid Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
		Controls			8,000
16000.010		Electrical Complete			
		Electrical (Sqft)	8,000.00 sf	19.75 /sf	<u>158,000</u>
		Electrical Complete			158,000
		4 Auto Shop 8,000 sf	8,000.00 sf	236.98 /sf	1,895,845
5 Covered Storage		15,000 sf			
1000.202		PRECONSTRUCTION SERVICES			
		Site Coordinator	40.00 mh	77.00 /mh	<u>3,080</u>
		PRECONSTRUCTION SERVICES			3,080
1720.030		Layout			
		Layout (Own Forces)	1.00 ea	1,199.82 /ea	<u>1,200</u>
		Layout			1,200
2315.021		Earthwk: Excav Foot/Misc			
		Excavate Footing By Machine	175.00 cy	30.00 /cy	<u>5,250</u>
		Earthwk: Excav Foot/Misc			5,250
2315.024		Earthwk: Fine Grade			
		Fine Grade	15,000.00 sf	0.30 /sf	<u>4,500</u>
		Earthwk: Fine Grade			4,500
2315.070		Backfill: Foot Wall Misc			
		Backfill Footings & Walls	175.00 cy	17.38 /cy	3,042
		Gravel at slab	333.00 cy	35.00 /cy	<u>11,655</u>
		Backfill: Foot Wall Misc			14,696
2340.010		Soil Stabilze /Erosion Ctl			
		Soil Stabilze - Crush Rock	10.00 cy	35.00 /cy	350
		Siltation Fence	800.00 lf	5.00 /lf	4,000
		Hay Bales	50.00 lf	10.00 /lf	<u>500</u>
		Soil Stabilze /Erosion Ctl			4,850
3210.050		Rebar: All Types			
		Rebar - Lump Sum (tons)	1.95 ton	1,500.05 /ton	<u>2,925</u>
		Rebar: All Types			2,925
3310.200		Conc: Piers			
		Pier Conc 4000 psi 3x3x4	18.66 cy	472.98 /cy	<u>8,826</u>
		Conc: Piers			8,826
3310.210		Conc: Slabs On Grade			
		S.O.G. Conc 4000 psi	15,000.00 sqft	8.00 /sqft	120,000
		Edge Haunch	28.00 cy	488.00 /cy	<u>13,664</u>
		Conc: Slabs On Grade			133,664
3350.400		Finish: Floor Hardener			
		Floor Sealer - Hardener	15,000.00 sf	0.87 /sf	<u>13,062</u>
		Finish: Floor Hardener			13,062



**Providence Water Supply Board
New Campus Budget
Revised**

7/31/2013

Bid Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
13120.010		Pre-Engineered Structures			
		Pre-Engineered Building No Siding	15,000.00 sf	13.25 /sf	198,750
		Pre-Engineered Structures			198,750
16000.010		Electrical Complete			
		Electrical (Sqft) Power and Lighting	15,000.00 sf	2.00 /sf	30,000
		Electrical Complete			30,000
		5 Covered Storage 15,000 sf	15,000.00 sf	28.05 /sf	420,803
6 Granular Storage		11,200 sf			
1000.202		PRECONSTRUCTION SERVICES			
		Site Coordinator	40.00 mh	77.00 /mh	3,080
		PRECONSTRUCTION SERVICES			3,080
1720.030		Layout			
		Layout (Own Forces)	1.00 ea	1,199.82 /ea	1,200
		Layout			1,200
2315.021		Earthwk: Excav Foot/Misc			
		Excavate Footing By Machine	175.00 cy	30.00 /cy	5,250
		Earthwk: Excav Foot/Misc			5,250
2315.024		Earthwk: Fine Grade			
		Fine Grade	11,200.00 sf	0.30 /sf	3,360
		Earthwk: Fine Grade			3,360
2315.070		Backfill: Foot Wall Misc			
		Backfill Foundations	175.00 cy	17.38 /cy	3,042
		Gravel at slab	206.52 cy	35.00 /cy	7,228
		Backfill: Foot Wall Misc			10,270
2340.010		Soil Stabilze /Erosion Ctl			
		Soil Stabilize - Crush Rock	10.00 cy	35.00 /cy	350
		Siltation Fence	800.00 lf	5.00 /lf	4,000
		Hay Bales	50.00 lf	10.00 /lf	500
		Soil Stabilze /Erosion Ctl			4,850
3210.050		Rebar: All Types			
		Rebar - Lump Sum (tons)	1.65 ton	1,500.07 /ton	2,475
		Rebar: All Types			2,475
3310.200		Conc: Piers			
		Pier Conc 4000 psi 3x3x4	18.66 cy	472.98 /cy	8,826
		Conc: Piers			8,826
3310.210		Conc: Slabs On Grade			
		S.O.G. Conc 4000 psi	11,200.00 sqft	8.00 /sqft	89,600
		Edge Haunch	24.50 cy	488.00 /cy	11,956
		Conc: Slabs On Grade			101,556
3350.400		Finish: Floor Hardener			



**Providence Water Supply Board
New Campus Budget
Revised**

7/31/2013

Bid Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
	3350.400	Finish: Floor Hardener			
		Floor Sealer - Hardener	11,200.00 sf	0.87 /sf	9,753
		Finish: Floor Hardener			9,753
	3400.100	Precast Concrete			
		Concrete Block 2x2x8' Bins	250.00 ea	100.00 /ea	25,000
		Precast Concrete			25,000
	13120.010	Pre-Engineered Structures			
		Pre-Engineered Building No Sliding	11,200.00 sf	13.25 /sf	148,400
		Pre-Engineered Structures			148,400
	16000.010	Electrical Complete			
		Electrical (Sqft) Power and Lighting	11,200.00 sf	2.00 /sf	22,400
		Electrical Complete			22,400
		6 Granular Storage 11,200 sf	11,200.00 sf	30.93 /sf	346,419
7 Site Development		440,500 sf			
	2100.000	Site Remediation			
		Excav Removal & Handling Haz Mat	<i>Allo</i>	<i>/Allo</i>	
	2240.010	Dewater: General			
		Dewatering	<i>Is</i>	<i>/Is</i>	
	2310.020	Earthwk: Site Grading			
		Remove Topsoil	8,157.00 cy	15.00 /cy	122,355
		Rough Grading	440,500.00 sf	0.50 /sf	220,250
		Earthwk: Site Grading			342,605
	2315.020	Earthwk: Cut & Fill Etc			
		Bulk Cut & Fill on site	16,300.00 cy	8.00 /cy	130,400
		Earthwk: Cut & Fill Etc			130,400
	2510.010	Utility Serv: Water			
		Water Line 4"	855.00 lf	100.00 /lf	85,500
		Fire Line 6"	1,113.00 lf	150.00 /lf	166,950
		Utility Serv: Water			252,450
	2540.010	Utility Serv: Septic Tank			
		Sanitary Sewers	1,190.00 lf	60.00 /lf	71,400
		Utility Serv: Septic Tank			71,400
	2630.020	Drainage: Site Structures			
		Storm Drainage System	300,000.00 sf	2.50 /sf	750,000
		Drainage: Site Structures			750,000
	2740.030	Paving: Asphalt			
		Asphalt Paving 3"	33,400.00 sy	18.00 /sy	601,200
		Base Course Compact 6" Deep	6,690.00 CY	35.00 /CY	234,150
		Paving: Asphalt			835,350
	2750.035	Paving: Concrete			



**Providence Water Supply Board
New Campus Budget
Revised**

7/31/2013

Bid Item	Phase	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
	2750.035	Paving: Concrete			
		Concrete Paving (sqft)	7,000.00 sf	7.50 /sf	52,500
		Paving: Concrete			52,500
	2760.030	Paving: Parking Lines			
		Parking Lines	300.00 ea	10.00 /ea	2,999
		Paving: Parking Lines			2,999
	2770.010	Paving: Curbs & Gutters			
		Plain Conc Curb 4000 psi	1,800.00 LF	24.00 /LF	43,200
		Paving: Curbs & Gutters			43,200
	2810.010	Improvmts: IrrigationSys			
		<i>Lawn Sprinkler System</i>	<i>sf</i>	<i>/sf</i>	
	2820.010	Improvmts: Fencing			
		Fence ChainLink Complete	2,200.00 lf	30.00 /lf	66,000
		Fence Ornamental Metal Complete	375.00 lf	125.00 /lf	46,875
		Improvmts: Fencing			112,875
	2840.050	Improvmts: Bollard/Rails			
		Pipe Bollard Steel Pipe 6"	24.00 ea	800.00 /ea	19,200
		Improvmts: Bollard/Rails			19,200
	2840.080	Improvmts: Parking Items			
		Site Electric	1.00 LS	100,000.00 /LS	100,000
		Improvmts: Parking Items			100,000
	2900.010	Landscape: General			
		Landscaping - Allowance	1.00 LS	60,000.00 /LS	60,000
		Landscape: General			60,000
		7 Site Development	440,500 sf	6.30 /sf	2,772,979



Providence Water Supply Board
New Campus Budget
Revised

7/31/2013

Estimate Totals

Description	Amount	Totals	Rate
		28,709,975	
FF&E Allowance	<u>1,000,000</u>		
	1,000,000	29,709,975	
Estimating Contingency	<u>2,228,248</u>		7.50 %
	2,228,248	31,938,223	
Building Permit	<u>479,073</u>		1.50 %
	479,073	32,417,296	
G & L Insurance	<u>275,547</u>		8.50 \$ / 1,000
	275,547	32,692,843	
C.M. Fee (2.85%)	<u>931,746</u>		2.85 %
	931,746	33,624,589	
P&P Bond	<u>260,406</u>		0.73 %
	260,406	33,884,995	
Architects & Engineers Fees	2,033,100		6.00 %
Total		35,918,095	