Berkshire Hills: Monument Mountain Regional High School

Value Engineering Items Changes from 7/11/13 MSBA PFA Submission

#		8/1/2014						- (- (-)			5.5.5	
VE			-	0 ' "		Affects	Contingencies	D/B/B Sub-	D /D /D	D/D/D 0	D/B/B	Escalation to
Orig			Total Value w/	Construction		3011	(Design and	Contractor	D/B/B	D/B/B General	Overhead &	Mid-Point of
			Markups	Value	∑ Rows		Pricing)	Bonds	Insurance	Conditions	Profit	Construction
17	1	Eliminate permitting fees	(300,000)	(300,000)	(300,000)	16	n/a	n/a	n/a	n/a	n/a	n/a
5	2	Replace clerestory roof monitors with skylights	(167,600)	(135,800)	(415,200)	48	(15,300)	(3,000)	-	-	(3,100)	(10,400)
		Reduce overall number of 4x4 skylights to 20										
6	4	total (currently at 32 total)	(41,500)	(33,600)		48	(3,800)	(700)	-	-	(800)	(2,600)
7	5	Eliminate all clerestory windows	(116,300)	(94,300)		48	(10,600)	(2,100)	-	-	(2,100)	(7,200)
10	3	Delete Conservatory greenhouse	(186,900)	(151,500)		48	(17,000)	(3,400)	-	-	(3,400)	(11,600)
		Ceiling tiles - Reduce 2' x 2' ACT and assume 2'										
11	6	x	(60,800)	(49,300)	(49,300)	54	(5,500)	(1,100)	-	-	(1,100)	(3,800)
14	7	Simplify HVAC control system	(55,000)	(44,600)	(424,600)		(5,000)	(1,000)	-	-	(1,000)	(3,400)
15	8	Simplify HVAC system	(468,800)	(380,000)		58	(42,700)	(8,500)	-	-	(8,600)	(29,000)
		Double up cameras on light poles ILO separate										
12	9	poles	(75,000)	(60,800)	(78,500)	60	(6,800)	(1,400)	-	-	(1,400)	(4,600)
		Reduce quantity of interior CCTV cameras (by										
13		12%)	(21,900)	(17,700)		60	(2,000)	(400)	-	-	(400)	(1,400)
9	11	Maintain existing seats- assume cleaning	(183,800)	(149,000)	(149,000)	63	(16,700)	(3,300)	-	-	(3,400)	(11,400)
		Change curbs to Pre-Cast concrete rather than										
1	12	granite	(44,100)	(35,800)	(147,600)	72	(4,000)	(800)	-	-	(800)	(2,700)
		Eliminate Playground Structure and buy in FF&E										
2	13		(34,000)	(27,600)		72	(3,100)	(600)	-	-	(600)	(2,100)
3	14	Reduce Playground Surface Area to 850 SF	(8,500)	(6,800)		72	(800)	(200)	-	-	(200)	(500)
4	15	Reduce scope at west drop-off loop	(54,600)	(44,200)		72	(5,000)	(1,000)	-	-	(1,000)	(3,400)
8	16	Maintain existing bus canopy roof structure	(10,000)	(8,100)		72	(900)	(200)	-	-	(200)	(600)
16	17	Reduce scope of granite tiered seating (40%)	(31,000)	(25,100)		72	(2,800)	(600)	-	-	(600)	(1,900)
		Rephasing of projects through use of portables										
20	18	to reduce schedule by approx. 14 months	(1,794,500)		Split as Shown	Split				(1,473,400)		(321,100)
18	19	Remove purchase of specialized equipment	(100,000)	(100,000)	(100,000)	100	n/a	n/a	n/a	n/a	n/a	n/a
19	20	Reduce Owner's contingency	(1,000,000)	(1,000,000)	(1,000,000)	115	n/a	n/a	n/a	n/a	n/a	n/a
				Subtotal	(2,664,200)		(142,000)	(28,300)	-	(1,473,400)	(28,700)	(417,700)
	21	Inflation due to Project delay 1 Year				_						455,300
					ı	Markups	(142,000)	(28,300)	-	(1,473,400)	(28,700)	37,600
						Row:	78	79	80	81	82	86
				∑ Markups	(1,634,800)							
	22				(500,000)	10						
	23	Reduction AE Fees			(252,000)	24						
	24	Portable Classrooms			1,250,000	96						
	25	Reduction Construction Contingency			(625,000)	114						
					(4 426 000)							

(4,426,000)