

NEW ELEMENTARY SCHOOL #22 - Evaluation of Alternates

Denton Independent School District

Highlighted Items are Included in GMP Statement of Cost

ALTERNATE	SCOPE	RETURN ON INVESTMENT (ROI)	COST
1A	Florida heat pump single stage units	9 years. Product matches Cross Oaks. Higher efficiency units than Climate Masters.	\$99,411
1B	Florida heat pump two stage units	8 years. Improves energy performance on air-conditioning equipment.	\$130,207
2A	Climate Master heat pump single stage units	Product sets baseline for expected performance.	Included in Base Bid
2B	Climate Master heat pump two stage units	3 years. Improves energy performance on air-conditioning equipment.	\$18,910
3A	Daikin heat pump single stage units	Not evaluated because of limited experience in DFW market.	\$90,065
3B	Daikin heat pump two stage units	Not evaluated because of limited experience in DFW market.	\$104,247
4	Provide mineral fiber ILO rigid insulation	No financial ROI. Product priced because it is a comparable but "greener" product.	\$4,592
5	Add R9.5 spray polyisocyanurate insulation	24 years. Improves R-value in the exterior walls.	\$42,844
6A	Provide digital lighting management system by DLM - Wattstopper	Management system required for daylight harvesting. All (3) systems are comparable.	\$64,833
6B	Provide digital lighting management system by NLIGHT	Management system required for daylight harvesting. All (3) systems are comparable.	Included in Base Bid
6C	Provide digital lighting management system by Crestron	Management system required for daylight harvesting. All (3) systems are comparable.	\$64,833
7A	Provide LED lighting ILO florescent in daylight classroom spaces	30 years. ROI is reduced because standard dimable fixtures minimizes energy usage.	\$44,303
7B	Provide LED lighting ILO florescent in daylight classroom spaces (excl. those in Alt. 7A)	14 years. ROI is increased because standard fixtures are more expensive than cfls.	\$15,357
8	Provide LED lighting in non-daylit spaces	25 years. ROI is reduced because standard fixtures are cheaper than LED.	\$83,203
9	Provide LED lighting at exterior fixtures	8 years. ROI maximized because of efficiency & min. cost difference between fixtures.	\$20,747
10	Provide fluid applied air barrier ILO sheet applied	No financial ROI. Product priced because it improves air infiltration.	\$182,350
11	Provide lower energy consumption kitchen equipment	More efficient equipment has become standard in the industry.	Included in Base Bid
12	Add spray fiberglass insulation inside exterior metal studs	30 years. Comparable product to Alternate 5 but more expensive.	\$52,677
13	Add 3 1/2" R13 batt inside exterior metal studs	8 years. Product doesn't provide as good of an air barrier as Alt. 5 but better R-value.	\$10,806
14	Mondo flooring in lieu of VCT	ROI extends beyond life of the product. No waxing required.	\$316,483
15	Aluminum electrical feeders in lieu of copper	Aluminum feeders performs comparable to copper.	-\$29,175
16	Provide MC cable for branch circuits in lieu of wire in conduit	MC Cable doesn't allow for re-pulling wire but not required for branch circuits.	-\$25,933