

# EMA'S ENGINEERING TODAY

OCTOBER 2012

*Information and Helpful Hints for School Districts and the Architects who serve them.*



Carrollton · Farmers Branch  
Independent School District

••• An Innovative Leader in Learning •••

*A Bright Spot in Public Education*

#### Blalack & Country Place

- ★ Increased Operational Effectiveness
- ★ Improved Learning Environment
- ★ Improved Shareholder Confidence and Support
- ★ Spending Tax Dollars Wisely



**Estes, McClure  
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## C-FB ISD's Smart Choices: Big Dividends

C-FB ISD's bond program of additions and renovations at Blalack Middle School and Country Place Elementary School resulted in approximately 20 percent annual energy savings for each campus.

Both campuses had major renovations that included new high energy efficiency HVAC and lighting as well as new water efficient plumbing fixtures. Football field lighting was added at Blalack Middle School. Country Place was an \$8.7 million project and Blalack was an \$11.1 million project. EMA worked with the district's staff and two different architectural firms to provide the MEP and energy engineering services for both campuses. Mike Clendenin, P.E. was EMA's Project Engineer for both sites.

*"EMA's engineering improved energy efficiencies by 20 percent at our last two remodels in addition to adding square footage to each site."*

*Victor Melton – C-FB ISD, Environmental and Energy Specialist.*

C-FB ISD made smart cost effective choices working with the architectural, engineering, and construction teams. **Energy efficiency was a priority as well as an improved learning environment.** Building design and construction included some "green" features but only if cost effective and value added. During the construction phase Tom Bell, C-FB ISD's Construction Manager, carefully coordinated certain green construction and inspection strategies to ensure great IAQ for the long term. His strategies also were beneficial for pest control and reduction of future maintenance costs.

The September 2012 issue of the ASHRAE Journal reports without a doubt that it is greener to retrofit an old building than construct a new building, regardless of the high-tech features in the new construction. The report states it can take up to 80 years for a new building to overcome the negative climate change impacts that come from construction. C-FB ISD's staff and A/E design teams recognized that these two campuses could be renovated for effective intended use and energy efficiency which was a major successful smart "green" choice.



*Blalack Middle School improves energy efficiencies by 20%.*



**Home Office:**  
3608 West Way  
Tyler, TX 75703  
903-581-2677

**Austin Office:**  
104 West Main, Suite C  
Pflugerville, Texas 78660  
512-251-5177

www.estesmclure.com

**Estes, McClure  
& Associates, Inc.**  
Engineering and Consulting

3608 West Way  
Tyler, TX 75703

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*Providing Solutions  
That Deliver Results*

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38 years  
585 Texas ISDs  
47 colleges and universities  
Other schools throughout  
the country

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**Company Spotlight**

**EMA Attends TASA/TASB Show**

TASA/TASB annual conference held in Austin, Texas this year was attended by EMA's Gary Bristow, P.E., Mike Clendenin, P.E., David Dupont, Project Manager, Will Hill, Project Manager, Cameron Symes, P.E., and Wes Van Rite, Austin Area Coordinator. EMA had an exhibit booth at the event.

**EMA – A Great Place to Work**

- EMA has 46 employees of which 46% have more than 10 years service with EMA and 33% have 5-9 years.
- EMA provides 100% of medical and dental insurance cost for each employee and 35% of cost for employee's dependents. Other benefits include a 401K with EMA contributions and profit sharing and a generous PTO (paid time off) policy.

**McClure attends Tyler Chamber Meeting**

James McClure, retired, represented EMA at the Tyler Area Chamber of Commerce Annual Meeting. He also serves on the Chamber's Energy Committee.



**Go Bulldogs!**

Payton Nelson, James McClure's granddaughter, cheers at the Chapel Hill ISD Stadium. EMA was the engineer for Chapel Hill's stadium, Fine Arts Center and numerous other projects.